

Volkswagen of America, Inc.



Product Compliance  
3800 Hamlin Road  
Auburn Hills, MI 48326  
Tel. (248) 340-5000

November 2004

Ms. Patricia Wallace  
Recall Analyst for Safety Assurance  
National Highway Traffic Safety Administration  
NSA-11  
U.S. Department of Transportation  
400 Seventh Street, S.W.  
Washington, DC 20590

DEFECTS INVESTIGATION  
2004 NOV -8 A 9:25  
11/15/04

**Subject: Recall Campaign JB (04V-495)  
Model Years 1998-1999 Audi A6 Vehicles with  
2.8L 5-valve Engine and Automatic Transmission  
Install Replacement Throttle Body Kit**

Dear Ms. Wallace:

Pursuant to the requirements set forth in Part 573.6 of Title 49 of the Code of Federal Regulations, we are submitting three (3) copies of the following communications:

- Dealer Notification with Draft Customer Letter
- Customer Notification
- Work Procedure
- Accounting Procedure

Sincerely,

A handwritten signature in cursive script that reads 'Maria Cotter'.

Maria Cotter  
Product Compliance

Enclosures

**Audi of America, Inc.**



**Audi**

3800 Hamlin Road  
Auburn Hills, MI 48326

October 2004

**Subject: Safety Recall JB  
1998-1999 Model Year Audi A6 Vehicles with 2.8L V6 5-valve Engine and Automatic Transmission  
Install Replacement Throttle Body Kit**

Dear Audi Dealer:

This is to inform you of the initiation of a safety recall on some 1998-1999 model year Audi A6 vehicles with a 2.8L V6 5-valve engine and automatic transmission. Section 154 (d) of the National Traffic and Motor Vehicle Safety Act of 1966 mandates that dealers correct, prior to delivery for the sale or lease, any vehicle which fails to comply with an applicable Federal Motor Vehicle Safety Standard or which contains a defect relating to motor vehicle safety. **It is therefore imperative that any vehicle in your new or used car inventory and affected by this recall is corrected prior to delivery for sale or lease.**

According to our records as of October 12, 2004, the affected vehicles were registered in the cold-weather states of Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin and Wyoming.

Please ensure that any vehicles in your inventory are repaired prior to their delivery to retail customers.

**IMPORTANT: If a vehicle shows both the JB and KU campaigns open in OTIS, please call the Campaign Helpline at (800) 741-2919 before performing any work.**

Audi has determined that, in some cases while driving for a period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may remain in an open position due to ice accumulating in the throttle body. If this occurs, the vehicle may maintain speed when the driver expects the vehicle to slow. In order to correct this defect, a replacement throttle body kit must be installed on affected vehicles.

Please refer to Safety Recall Circular JB posted on web AESIS and on AccessAudi for additional information, and please be sure to share this information with all personnel with campaign-related responsibilities.

Customers with vehicles registered in warm weather states (states not listed above) according to our records as of October 12, 2004 will receive a notification letter regarding a technical bulletin that has been developed to address this issue. Because the condition being addressed by Safety Recall JB is present only in cold climates, it is not expected to cause a safety problem for these warm-weather state customers. Please refer to Technical Bulletin 24-04-03 to assist customers requesting a replacement throttle kit but whose vehicles do not show an open JB safety recall in OTIS.

**IMPORTANT: If a customer requests this technical bulletin and the vehicle shows the KU campaign open in OTIS, please call the Campaign Helpline at (800) 741-2919 before performing any work.**

Thank you for your cooperation and assistance in this important matter.

Sincerely,

Maria Cotter  
Product Compliance

**Important! Please Provide A Copy To All Personnel With Campaign-Related Responsibilities!**



# Safety Recall

## Audi Circular

**Code: JB**

October 2004

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**Subject: 1998–1999 Model Year Audi A6 Vehicles With  
2.8L 5-valve Engine and Automatic Transmission  
Install Replacement Throttle Body Kit**

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This is to inform you of the initiation of a safety recall involving some 1998–1999 model year Audi A6 vehicles with 2.8L 5-valve engine and automatic transmission. The vehicles involved are located in the cold-weather states of Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin and Wyoming.

Customers with vehicles registered in warm weather states (states not listed above) will receive a notification letter regarding a technical bulletin that has been developed to address this issue. Because the condition being addressed by Safety Recall JB is present only in cold climates, it is not expected to cause a safety problem for these warm-weather state customers. Please refer to Technical Bulletin 24-04-03 to assist customers requesting a replacement throttle kit but whose vehicles do not show an open JB safety recall in OTIS.

**Problem Description**

Audi has determined that, in rare cases while driving for a considerable period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may not return to idle position due to ice accumulating in the throttle body. In the absence of such action, the vehicle may maintain speed when the driver expects the vehicle to slow.

**Remedial Action**

Install a replacement throttle body kit.

**IMPORTANT: If a vehicle shows both the JB and KU campaigns open in OTIS, please call the Campaign Helpline at (800) 741-2919 before performing any work.**

**Vehicle Identification Number Range**

The vehicles affected by this recall action are within the following vehicle identification number range:

WAUBA64B\_WN028705 - WAUBA34B\_XN142340

*Please note that the above VINs represent the lowest and highest serial numbers of affected vehicles. Use of the OTIS campaign inquiry system will allow you to determine whether or not a particular vehicle, within the above VIN range, requires the corrective work.*

*Note: It is recommended that a screen print of the OTIS View Campaign Inquiry screen be attached to the repair order. Audi will not reimburse under this action any duplicate repair work or a repair outside the VIN range.*

**Limitation of Sale or Lease of Certain Vehicles**

Section 154 (d) of the National Traffic and Motor Vehicle Safety Act of 1966 mandates that dealers correct, prior to delivery for the sale or lease, any vehicle which fails to comply with an applicable Federal Motor Vehicle Safety Standard or which contains a defect relating to motor vehicle safety. **It is therefore imperative that any vehicle in your new or used car inventory and affected by this recall is corrected prior to delivery for sale or lease.**

**Owner Notification Mailing**

Audi will notify all known owners of affected vehicles directly by first-class mail on or about October 29, 2004. A sample copy of the owner letters are enclosed for your information. These letters include the letter sent to owners not involved in this action who reside in the warm weather states.

**Vehicle Allocation**

A computer list containing the VINs including the owner names and addresses of vehicles that, according to our records, are located within your area of responsibility (AOR) and require this action to be performed will be provided under separate cover.

*Note: The above listing includes names and addresses obtained from state motor vehicle registrations. Under the law of most states, including regulations set forth by the California Department of Motor Vehicles, vehicle registration information may only be used for recall purposes. Use for any other reason may constitute a violation of state law.*

**Parts Information**

During the campaign launch period, parts may be blocked and released by VIN through Special Services. Refer to the AccessAudi for campaign parts updates. After the launch period, the block may be lifted and then parts can be ordered through your facing parts depot.

**Time Requirements/  
Reimbursement**

To ensure prompt and proper payment, be sure to enter, immediately upon completion of the repair work, the applicable reimbursement code listed below. Claims will only be paid for vehicles that show the **JB** code in the OTIS View Campaign inquiry screen on the day of repair. It is therefore recommended that a screen print of the OTIS View Campaign inquiry screen be attached to the repair order.

**JB Data Entry Procedure**

Repair Code (Damage Code Field)	Time Units	Work Scope
<b>JB 12</b>	<b>180 T.U.</b>	- Remove and replace throttle body
		1 078 198 135A Throttle body kit
		1 058 133 753B Suction Pump
		1 N 102 582 01 Clamp
		1 N 102 019 01 Clamp
		1 N 102 334 01 Clamp

***There is NO reimbursement for Vehicle Wash or Loaner Vehicle.***

The system automatically enters parts and labor applicable to the above listed code.

If an additional hose clamp was installed to complete repair, enter applicable amount in Sublet Parts field for reimbursement.

**SUBLETS At-A-Glance**

	<u>SUB LBR</u>	<u>SUB PARTS</u>	<u>LOANER</u>
Required additional hose clamp		\$ Applicable Amount	
G 012 A8F A4 Coolant G12		\$ Applicable Amount up to a maximum of 0.5 gal. (2 liters)	

TO BE PROPERLY REIMBURSED, IT IS IMPERATIVE THAT APPLICABLE SUBLET ITEMS ARE CLAIMED IN THE PROPER SUBLET FIELD and THE SUBLET EXPENSE COPY REMAINS ATTACHED TO YOUR COPY OF THE REPAIR ORDER.

For vehicles that, according to your information, cannot be corrected or reached, and one of the codes below best describe the reason, please enter one of the applicable codes into the system:

- **JB 20 Customer Refused Repairs**
- **JB 30 Total Loss**
- **JB 40 Vehicle Stolen**
- **JB 50 Vehicle Exported**

**Additional Campaigns**

Some of the affected vehicles may be involved in an additional corrective action. Please check your OTIS View Campaign inquiry screen so that any additional required work can be done simultaneously.

**Campaign Verification**

For verification, always check the OTIS View Campaign inquiry screen. The OTIS system is the only binding campaign inquiry and verification source; other sources are not valid and may result in non-payment of a claim.

**Service Help**


If you have a question regarding this or any other campaign, please call (800) 741-2919.

**Dealer Personnel Information**

Please inform and/or provide a copy of this communication to every person in your dealership who has campaign-related responsibilities, including parts and accounting personnel.

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Maria Cotter". The signature is fluid and cursive, with the first name "Maria" and last name "Cotter" clearly distinguishable.

Maria Cotter  
Product Compliance

**Audi of America, Inc.****Audi**3800 Hamlin Road  
Auburn Hills, MI 48326

October 2004

**Subject: Safety Recall JB  
1998-1999 Model Year Audi A6 Vehicles Equipped With  
2.8L V6 5-valve Engine and Automatic Transmission  
Install Replacement Throttle Body Kit**

Dear Audi Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Audi has decided that a defect, which relates to motor vehicle safety, exists in some 1998-1999 model year Audi A6 vehicles with a 2.8L V6 5-valve engine and automatic transmission. Our records show that you are the owner of one of these vehicles and that your vehicle is registered in a state which could likely experience ambient temperatures of 5°F or below.

**What Is The Problem?**

Audi has determined that, in some cases while driving for a period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may remain in an open position due to ice accumulating in the throttle body. If this occurs, the vehicle may maintain speed when the driver expects the vehicle to slow.

**What Will Audi Do?**

In order to correct this defect, we will install a replacement throttle body kit on your vehicle free of charge.

**What We Would Like You To Do**

We recommend that you contact your authorized Audi dealer and arrange for an appointment so that this repair can be performed on your vehicle without delay. This service will take approximately two hours, however your dealer may need additional time for the preparation of the repair as well as to accommodate the daily workshop schedule.

We also remind you to follow all the information in your owner's manual regarding the floor mats in your vehicle, including securing your factory floor mats properly to prevent any unwanted interference with the throttle pedal, and using only genuine Audi mats.

**Lease Vehicles**

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to forward this information immediately via first-class mail to the lessee within ten (10) days of receipt of this notification.

**Have You Changed Your Address Or Sold The Vehicle?**

If you have, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.

**Reimbursement of Expenses**

If you have previously incurred expenses relating to throttle body not returning to idle in extremely low ambient temperatures, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.

**Service Help from Us**

If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, or if you are not satisfied for *any reason* with the repair please call or write to:

*Audi of America, Inc.*  
**Attn: Customer Relations (JB)**  
3499 West Hamlin Road  
Rochester Hills, MI 48309  
1-800-822-2834

If you still cannot obtain satisfaction, you may file a complaint with: Administrator, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590. Telephone: (888) 327-4236.

We regret any inconvenience this matter may cause. Thank you for your continued loyalty.

Sincerely,

Maria Cotter  
Product Compliance



**Audi of America, Inc.**



3800 Hamlin Road  
Auburn Hills, MI 48326

October 2004

**Subject: Technical Bulletin – Install Replacement Throttle Body Kit  
1998-1999 Model Year Audi A6 Vehicles with 2.8L V6 5-valve Engine  
and Automatic Transmission**

Dear Audi Owner:

We are writing to you to inform you of a condition that exists in some 1998-1999 model year Audi A6 vehicles with a 2.8L V6 5-valve engine and automatic transmission when operated in extremely low ambient temperatures. Our records show that you are the owner of one of these vehicles, however your vehicle is not registered in a state that is likely to experience temperatures 5°F or below.

**What Is The Problem?**

Audi has determined that, in some cases while driving for a period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may remain in an open position due to ice accumulating in the throttle body. If this occurs, the vehicle may maintain speed when the driver expects the vehicle to slow. Audi is conducting a safety recall for this matter in cold weather states.

**What We Would Like You To Do**

Because this condition is present only in cold climates, it is not expected to cause a safety problem for you. However, if you plan on traveling to areas where it is possible for temperatures to drop to 5°F or below, or if you should decide to move to or sell your vehicle to a resident in the states of: Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Jersey, Nevada, New Hampshire, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin or Wyoming, please contact your authorized Audi dealer and arrange for an appointment so that this repair can be performed on your vehicle. In any case, you may obtain the free remedy upon request. This service will take approximately 2 hours, however your dealer may need additional time for the preparation of the repair as well as to accommodate the daily workshop schedule.

We also remind you to follow all the information in your owner's manual regarding the floor mats in your vehicle, including securing your factory floor mats properly to prevent any unwanted interference with the throttle pedal, and using only genuine Audi mats.

**What Will Audi Do?**

At your request, we will install a replacement throttle body kit on your vehicle free of charge.

**Lease Vehicles**

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to forward this information immediately via first-class mail to the lessee within ten (10) days of receipt of this notification.

**Have You Changed Your Address Or Sold The Vehicle?**

If you have, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.

**Reimbursement of Expenses**

If you have previously incurred expenses relating to throttle body not returning to idle in extremely low ambient temperatures, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.

**Service Help from Us**

If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, or if you are not satisfied for *any reason* with the repair please call or write to:

*Audi of America, Inc.*  
**Attn: Customer Relations (Throttle Body Kit Technical Bulletin)**  
3499 West Hamlin Road  
Rochester Hills, MI 48309  
1-800-822-2834

We regret any inconvenience this matter may cause. Thank you for your continued loyalty.

Sincerely,

Maria Cotter  
Product Compliance

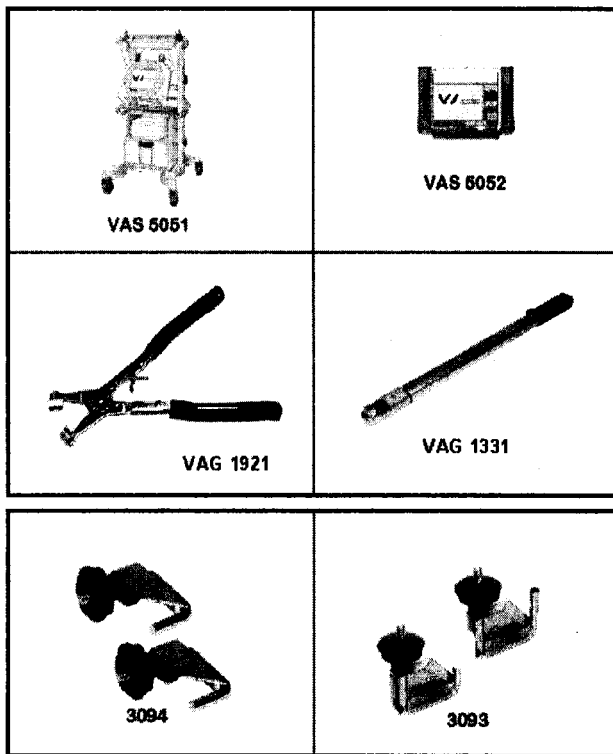
**Parts:**

Quantity	Part Number	Description
1	078 198 135 A	Kit
0.5 gal. (2 liters)	G 012 A8F A4	Coolant G12
1	058 133 753 B	Suction Pump
1	N 102 582 01	Clamp
1	N 102 019 01	Clamp
1	N 102 334 01	Clamp

**Kit 078 198 135 A contains the following parts:**

Quantity	Part Number	Description
1	078 133 068 AP	Throttle body
1	078 121 188 F	Heater Hose
1	078 121 188 G	Heater Hose
4	N 906 867 01	Clamp

**Special Tools:**



⇐ VAS 5051 or VAS 5052 - diagnostic tester

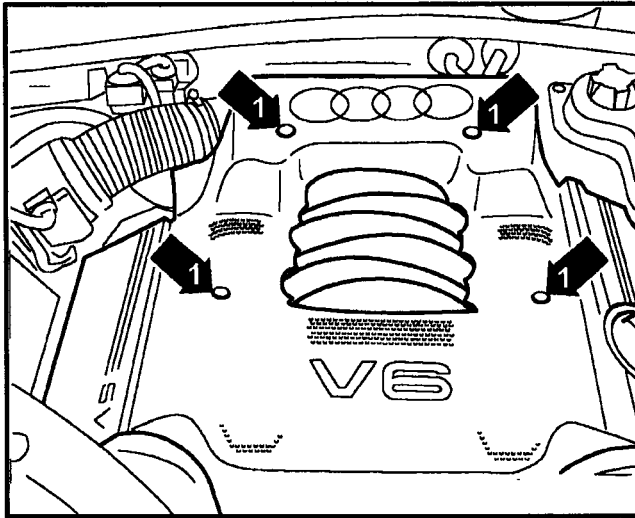
⇐ VAG 1921 - hose clamp pliers or equivalent

⇐ VAG 1331 - torque wrench or equivalent

⇐ 3094 hose clamp or equivalent

⇐ 3093 hose clamp or equivalent

## Work Sequence

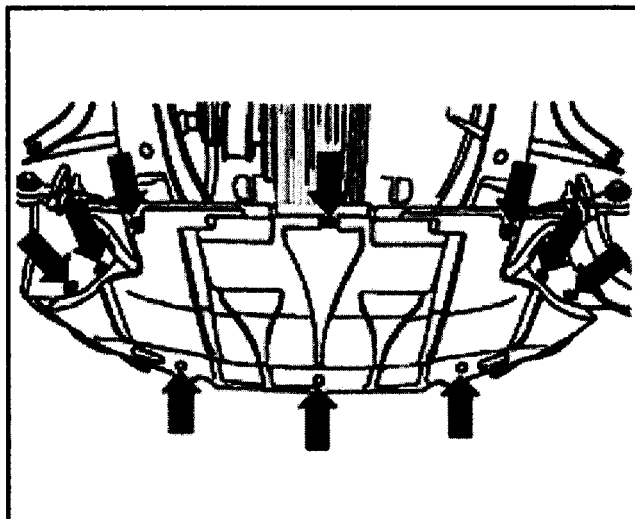


- Drive vehicle into hoist area and open hood
- ← Turn screws -1- and remove engine cover
- Slowly open cap on coolant reservoir to relieve pressure

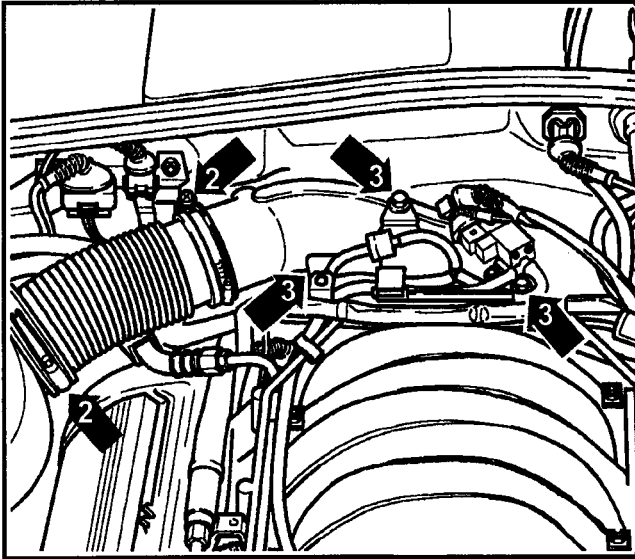
### **WARNING** ⚠

The cooling system is pressurized when the engine is warm. When opening the coolant reservoir, wear gloves and other appropriate protection, cover the cap with a cloth and carefully open cap to slowly relieve system pressure

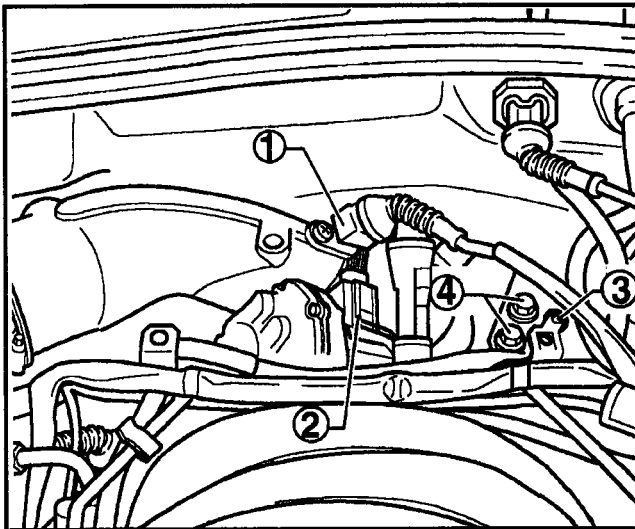
- Use hose clamp 3094 to clamp off lower coolant return hose from the coolant reservoir
- Use hose clamp 3093 to clamp off upper radiator hose



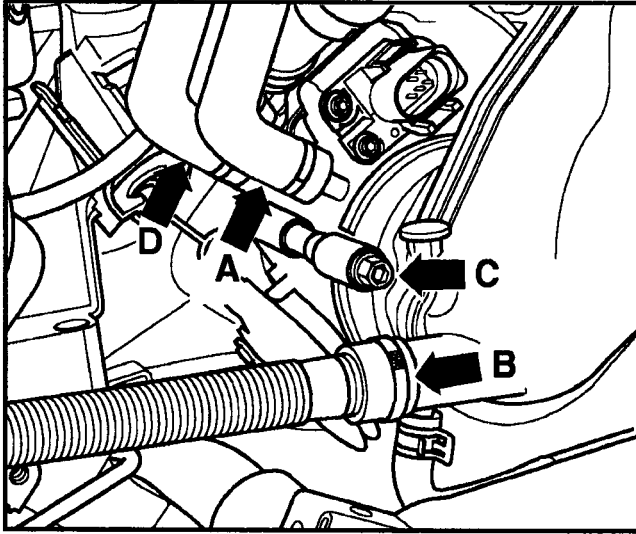
- ← Raise vehicle; remove screws -arrows- and remove sound dampening pan
- ← Place a drain pan under the engine
- Disconnect coolant hose from oil cooler at the oil filter and drain coolant – approximately 3 liters (0.8 gal.) – until it stops flowing; reconnect coolant hose



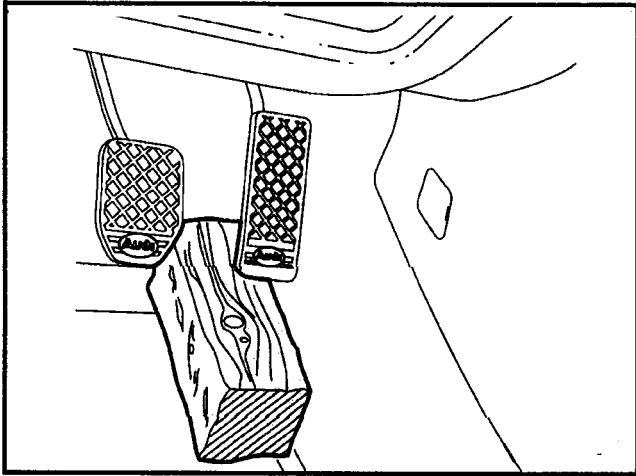
- ⇐ Lower vehicle and remove intake air hose between Mass Air Flow (MAF) sensor and air intake elbow by loosening clamps -2-
- ⇐ Remove three bolts -3- securing solenoid plate assembly located rearward of the intake manifold
- Disconnect vacuum hoses and electrical connectors (note location of vacuum hoses), as necessary



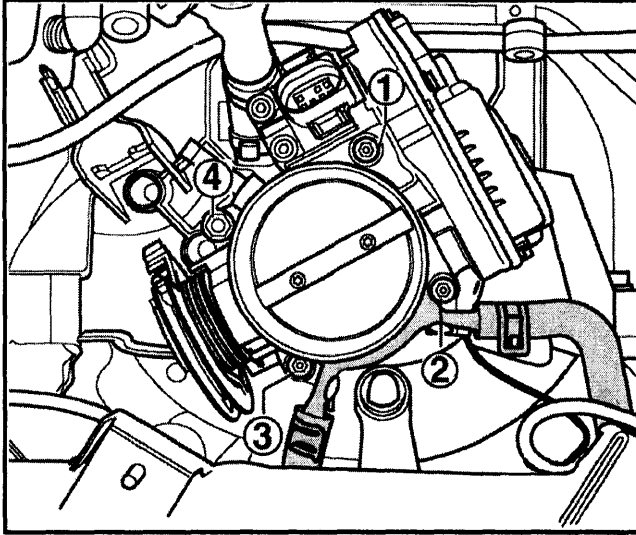
- ⇐ Unclip wiring support -3-
- ⇐ Disconnect connector -1- for intake air temperature sensor
- Move disconnected solenoid plate assembly to one side
- ⇐ Disconnect connector -2- from throttle body
- ⇐ Remove cruise control vacuum unit from support -4-



- ⇐ Remove cap screw -C- from air intake elbow and slide elbow rearward
- ⇐ Disconnect crankcase ventilation hose -B- from intake air elbow and remove elbow
- ⇐ Disconnect vacuum hose -D- and evaporative emission (EVAP) canister purge regulator hose -A- from the throttle body



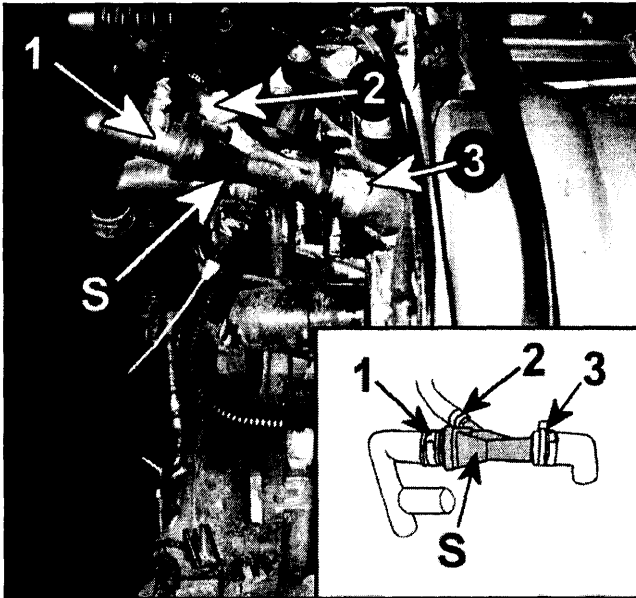
**Note:** A support (90 mm or 3.5 inches) under the accelerator pedal will ease cable tension and aid in disassembly



⇐ Remove throttle body from intake manifold by removing screws -1-, -2-, and -3- with a 5 mm hexagon socket; screw -4- with an 8 mm hexagon socket

**Note:** Screws -2- and -3- also secure throttle valve heating tube, and screw -2- also secures ground wire

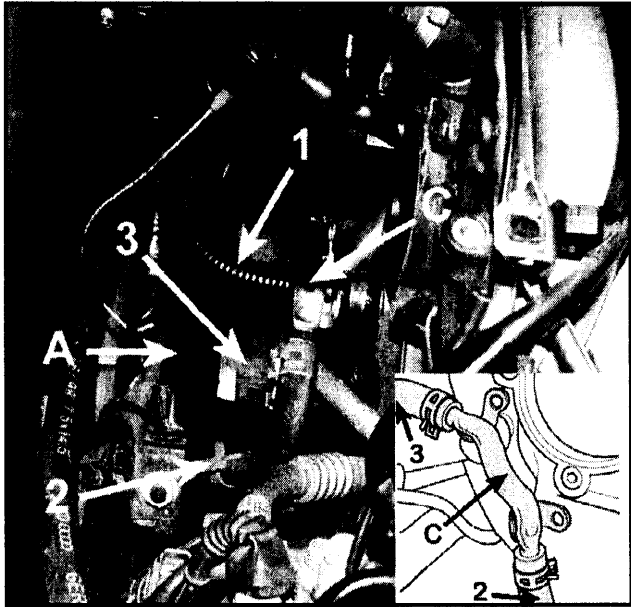
- Carefully disconnect throttle cable and cruise control linkage (do not remove accelerator pedal cable retainer from throttle body) from the throttle body and set aside



⇐ Remove screw clamp -1-, pinch clamps -2- and -3- securing suction pump -S-; and remove suction pump.

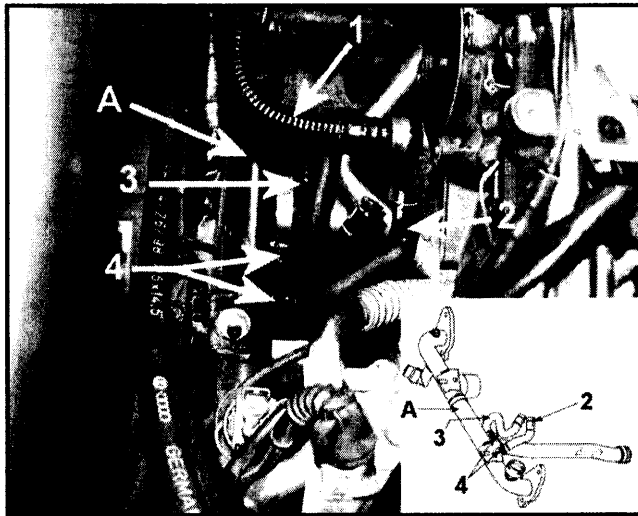
⇐ Install new suction pump -S- (058 133 753 B) and secure in position with screw clamp -1-, new clamp -2- (N 102 582 01) and new clamp -3- (N 02 019 01)

**Note:** Illustration shows the area rearward of the intake manifold as viewed from the right side of the vehicle



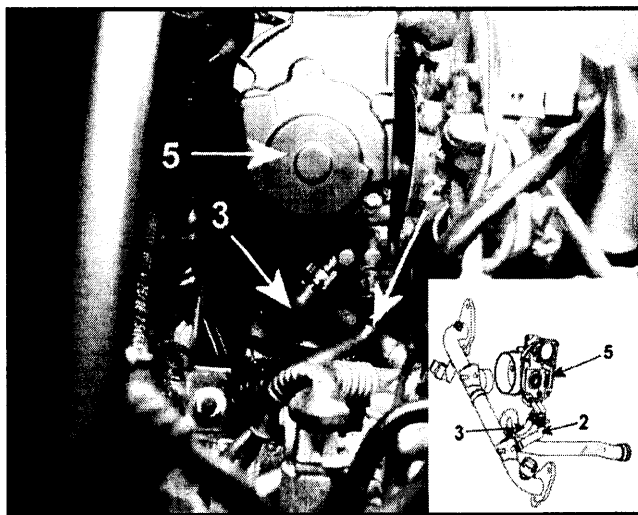
- ⇐ Carefully disconnect crankcase ventilation hose -1- from engine block
- ⇐ Using clamp pliers VAG 1921, remove clamps from heater hoses -2- and -3- connecting to metal water pipe -A-
- ⇐ Remove heater hoses -2- and -3- and contoured pipe -C- from metal water pipe -A-

**Note:** Illustration shows the area rearward of the intake manifold as viewed from the right side of the vehicle



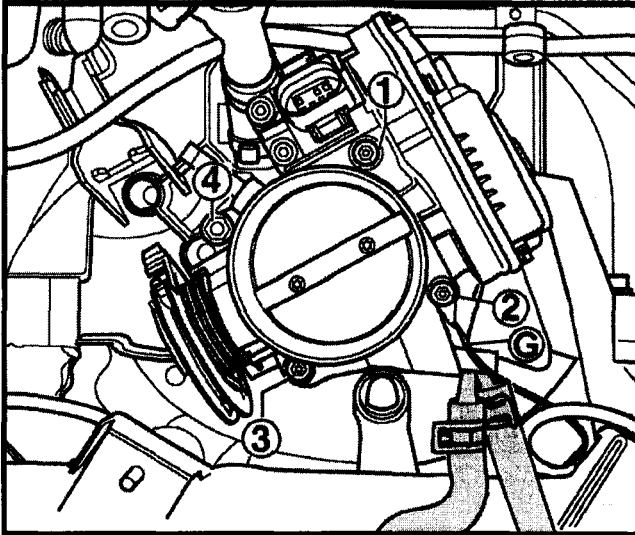
- ⇐ Connect new heater hose -3- (078 121 188 G) to metal water pipe -A- with marking facing vertically upward; secure with new clamp -4- (N 906 867 01)
- ⇐ Connect new heater hose -2- (078 121 188 F) to metal water pipe -A- with marking facing vertically upward; secure with new clamp -4- (N 906 867 01)
- ⇐ Carefully reconnect crankcase ventilation hose -1- to engine block

**Note:** Kit 078 198 135 A contains all the new required parts

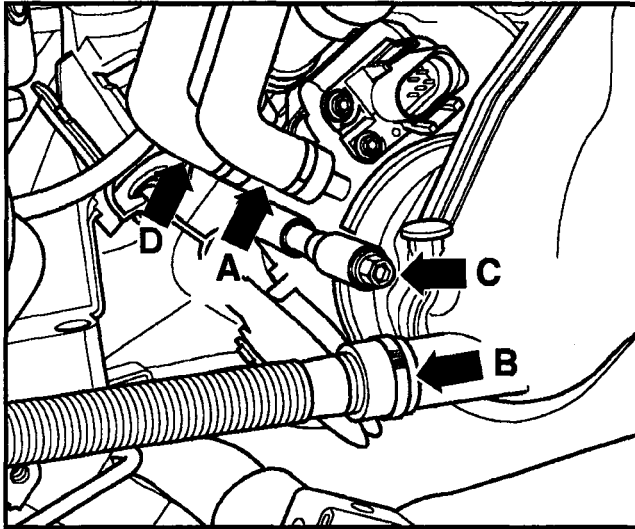


- ⇐ Connect other end of heater hose -3- to new throttle body -5- (078 133 068 AP) and secure with new clamp (N 906 867 01)
- ⇐ Connect other end of heater hose -2- to new throttle body -5- and secure with new clamp (N 906 867 01)





- Reconnect throttle cable and cruise control linkage to throttle body
- ⇐ Install throttle body onto intake manifold, secure with screws -1-, -3- & -4- and tighten to 10 Nm (7 ft. lbs.)
- ⇐ Install ground wire -G- with bolt -2- (securing the throttle body) and tighten to 10 Nm (7 ft. lbs.)



- ⇐ Place air intake elbow in front of throttle body, reconnect crank case vent hose -B-, slide elbow to correct position on throttle body, secure with cap screw -C- and tighten to 10 Nm (7 ft. lbs.)
- ⇐ Reconnect vacuum hose -D- and secure with new clamp (N 102 334 01)
- ⇐ Reconnect evaporative emission (EVAP) canister purge regulator hose -A- to the throttle body and secure with clamp

- Reconnect connector to throttle body
- Reinstall solenoid plate with three screws
- Reconnect previously disconnected vacuum lines
- Reconnect connector for intake air temperature sensor
- Reinstall cruise control vacuum unit and tighten bolt to 10 Nm (7 ft. lbs.)
- Reinstall wiring support
- Reinstall intake air hose between MAF sensor and air intake elbow, secure with clamps and tighten to 10 Nm (7 ft. lbs.)
- Remove 3094 clamp from coolant reservoir hose and 3093 clamp from radiator hose and fill coolant reservoir with a 50/50 mixture of G12 coolant
- Remove support from under accelerator pedal
- Set throttle adaptation using VAS 5051 or VAS 5052 diagnostic tool
- Start engine and check for coolant leaks
- If necessary, top off engine coolant
- Reinstall engine sound dampening pan and engine cover
- Close hood
- Properly dispose of all removed parts

**JB Safety Recall  
(1998-1999 A6 2.8L Throttle)  
FAQ**

**Note:**

Additional information can be found in the JB Safety Recall Circular located on web AESIS and on AccessAudi

**Issue Description:**

Audi has determined that, in rare cases while driving for a considerable period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may not return to idle position due to ice accumulating in the throttle body. In the absence of such action, the vehicle may maintain speed when the driver expects the vehicle to slow.

**Countermeasure:**

A newly re-designed throttle body kit (078 198 135A) and a new suction pump (058 133 753B) will be installed.

**FAQ:**

**Does this apply to U.S. and Canadian vehicles?**

This safety recall is for U.S. cold weather states and Canadian vehicles. The following are considered cold weather states: Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin and Wyoming.

Because this condition may only be present in certain cold climates, it is not expected to cause a safety problem for customers driving in warm weather states (i.e., not in list above). However, if customers are traveling to areas where it is possible for temperatures to drop to 5°F or below, or if customers should decide to move to or sell their vehicle to a resident in the states of: Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Jersey, Nevada, New Hampshire, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin, Wyoming, or Canada, they should contact their authorized Audi dealer and arrange for an appointment so that the repair can be performed their vehicle. This repair will be completed, upon the customer's request – at no cost to the customer - via Technical bulletin 24-04-03 found on AESIS.

**What are the affected vehicles?**

1998-1999 Audi A6 vehicles with the 2.8L 5-valve engine with an automatic transmission, but please see the JB Safety Recall Circular in AESIS for specific VIN ranges, and always verify the status of the campaign by VIN in the OTIS system.

**How long does the repair take?**

The repair should take approximately two hours, however your dealer may need additional time for the preparation of the repair as well as to accommodate the daily workshop schedule.

**JB Safety Recall  
(1998-1999 A6 2.8L Throttle)  
FAQ**

**What do dealers do for vehicles that have both the KU and JB campaigns open?**

If a vehicle shows both the JB and KU campaigns open in OTIS, please call the Campaign Helpline at (800) 741-2919 before performing any work.

**Will AoA reimburse any expenses to correct idling conditions?**

Please see the JB Campaign reimbursement guidelines.

**Will AoA reimburse any additional out-of-pocket expenses, i.e. cab fare?**

Please see the JB Campaign reimbursement guidelines.

**How will claims for vehicles in warm weather states be handled?**

The claim details are provided in Technical Bulletin 24-04-03.

**Audi**

Please give copies to  
all your Audi Technicians

# Technical Bulletin

**Subject: Throttle Body, Replacement Kit Installation**

**Group: 24**

**Number: 04-03**

**Model(s): A6 with 2.8L V6 (eng. code AHA) 1998 ▶ 1999**

**Date: Nov. 2, 2004**

## Condition

Audi has determined that, in rare cases while driving for a considerable period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may not return to idle position due to ice accumulating in the throttle body. In the absence of such action, the vehicle may maintain speed when the driver expects the vehicle to slow.

This condition may exist in vehicles driven in the following states: Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Jersey, Nevada, New Hampshire, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin or Wyoming. For vehicles registered in these states, the JB Safety Recall should be performed.

Customers with vehicles registered in warm weather states other than those listed above, received a notification letter (see attachment) regarding this Technical Bulletin which has been developed to address this issue.

Because the condition being addressed by Safety Recall JB is present only in cold climates, it is not expected to cause a safety concern for these warm-weather state customers. However, please assist any customer requesting a replacement throttle body kit whose vehicle does not show an open JB safety recall in OTIS.

**C 24-04-03**

**1 of 9 plus attachment**



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# Technical Bulletin

## Service

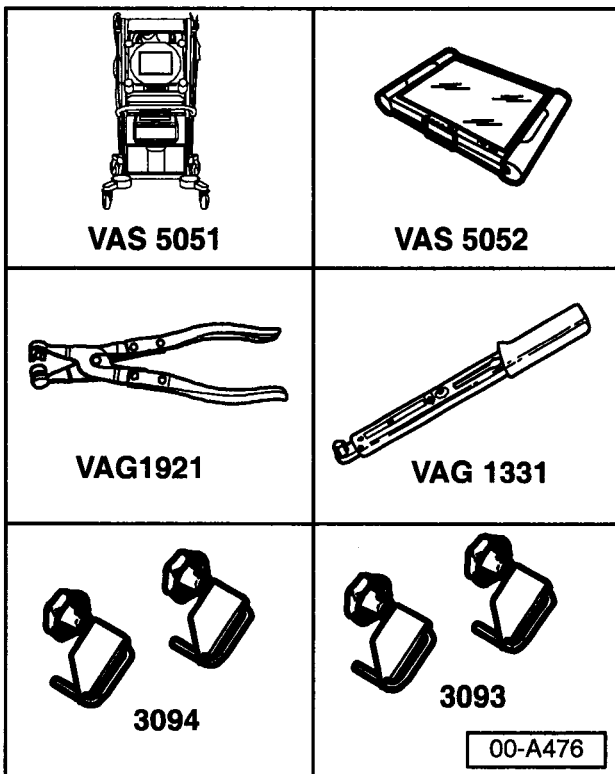
Install a replacement throttle body kit as follows:

### Parts required:

Qty.	Part Number	Description
1	078 198 135 A*	Kit
1	058 133 753 B	Suction Pump
1	N 102 582 01	Clamp
1	N 102 019 01	Clamp
1	N 102 334 01	Clamp
0.5 gal. (2 liters)	G 012 A8F A4	Coolant G12

\*) Kit 078 198 135 A contains the following parts:

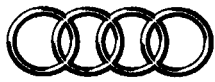
Qty.	Part Number	Description
1	078 133 068 AP	Throttle Body
1	078 121 188 F	Heater Hose
1	078 121 188 G	Heater Hose
4	N 906 867 01	Clamp



00-A476

### Special Tools:

- VAS 5051 or VAS 5052 - diagnostic tester
- VAG 1921 - hose clamp pliers or equivalent
- VAG 1331 - torque wrench or equivalent
- 3094 hose clamp or equivalent
- 3093 hose clamp or equivalent

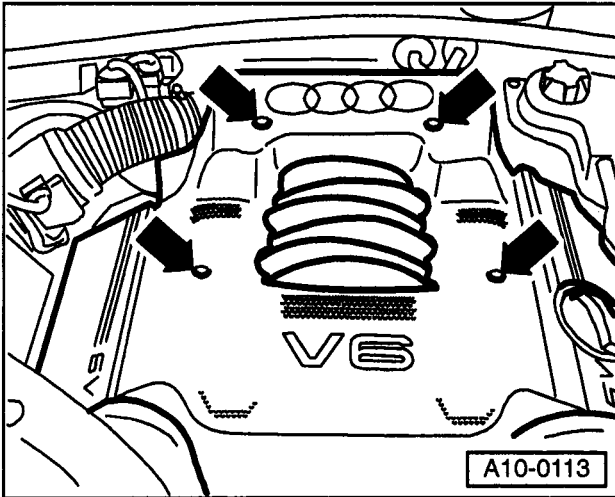


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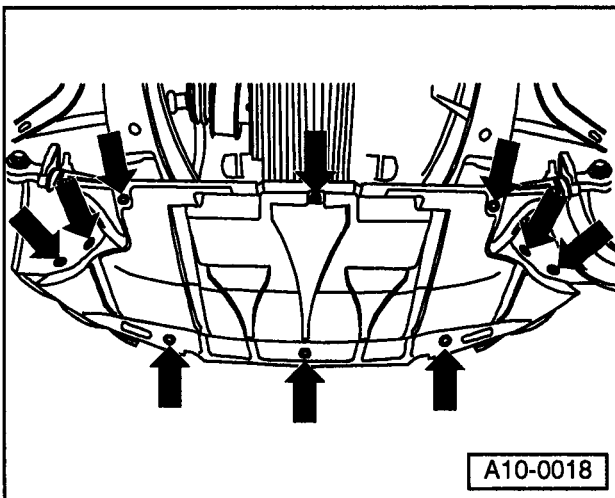
## Work Sequence:

- Drive vehicle into hoist area and open hood.
- Turn screws -arrows- and remove engine cover.

## WARNING!

*The cooling system is pressurized when the engine is warm. When opening the coolant reservoir, wear gloves and other appropriate protection, cover the cap with a cloth and carefully open cap to slowly relieve system pressure.*

- Slowly open cap on coolant reservoir to relieve pressure.
- Use hose clamp 3094 to clamp off lower coolant return hose from the coolant reservoir.
- Use hose clamp 3093 to clamp off upper radiator hose.



- Raise vehicle, remove screws -arrows- and remove sound dampening pan.
- Place a drain pan under the engine.
- Disconnect coolant hose from oil cooler at the oil filter and drain coolant (approximately 3 liters (0.8 gal.)) until it stops flowing, then reconnect coolant hose.

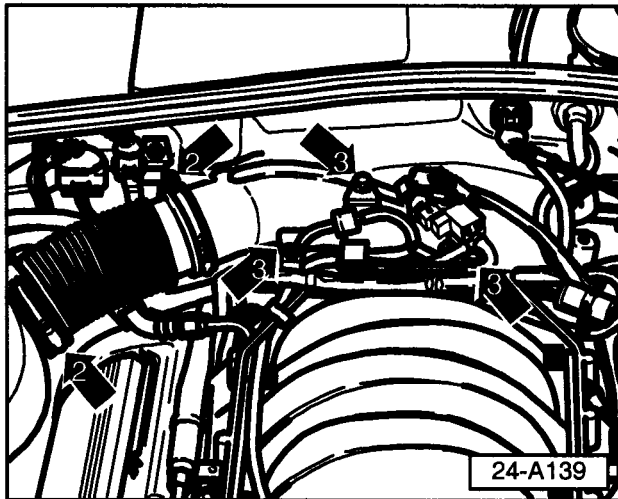


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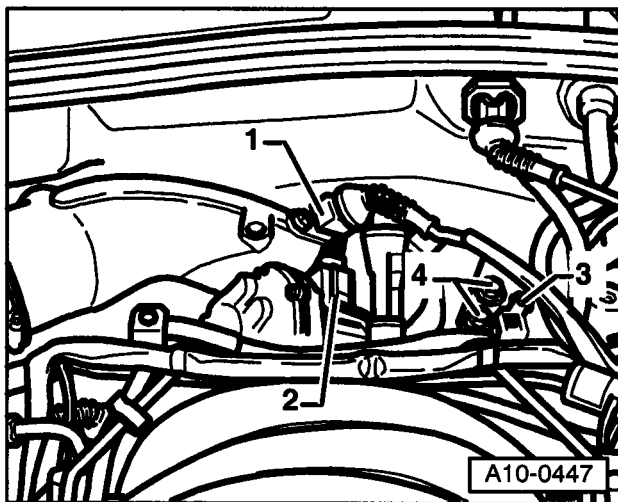
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- ◀ - Lower vehicle and remove intake air hose between Mass Air Flow (MAF) sensor and air intake elbow by loosening clamps -2-.
- Remove three bolts -3- securing solenoid plate assembly located rearward of the intake manifold.
- Disconnect vacuum hoses and electrical connectors (note location of vacuum hoses) as necessary.



- ◀ - Unclip wiring support -3-.
- Disconnect connector -1- for intake air temperature sensor.
- Move disconnected solenoid plate assembly to one side.
- Disconnect connector -2- from throttle body.
- Remove cruise control vacuum unit from support -4-.



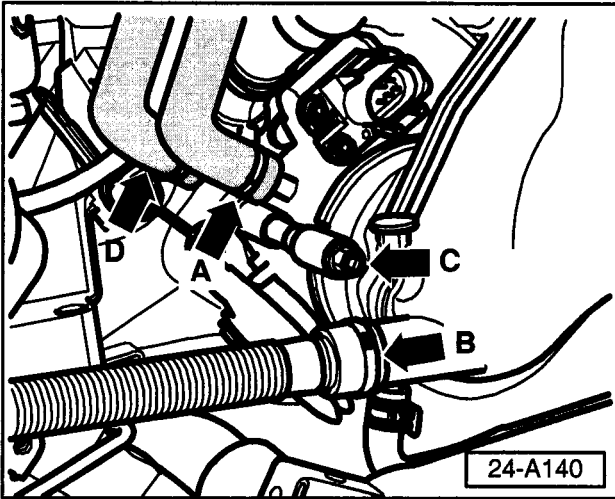


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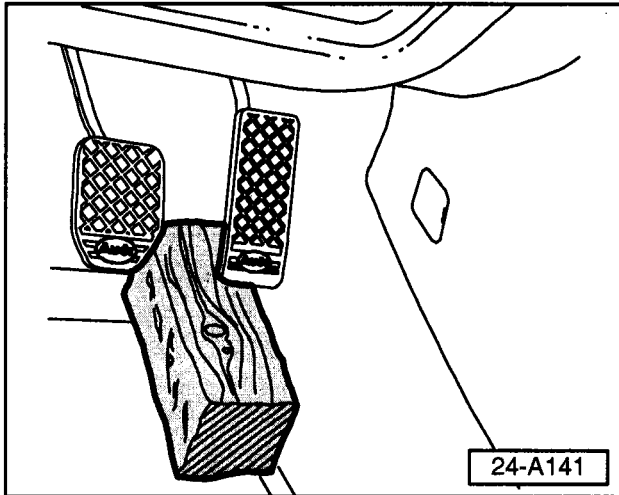
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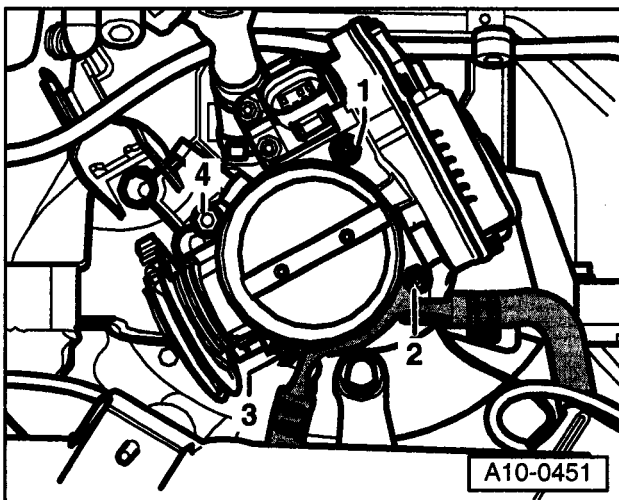


- ◀ Remove cap screw -C- from air intake elbow and slide elbow rearward.
- Disconnect crankcase ventilation hose -B- from intake air elbow and remove elbow.
- Disconnect vacuum hose -D- and evaporative emission (EVAP) canister purge regulator hose -A- from the throttle body.



**Note:**

- ◀ A support (90 mm or 3.5 inches) under the accelerator pedal will ease cable tension and aid in disassembly.



- ◀ Remove throttle body from intake manifold by removing screws -1-, -2-, and -3- with a 5 mm hexagon socket and screw -4- with an 8 mm hexagon socket.

**Note:**

*Screws -2- and -3- also secure throttle valve heating tube, and screw -2- also secures ground wire.*

- Carefully disconnect throttle cable and cruise control linkage (do not remove accelerator pedal cable retainer from throttle body) from the throttle body and set aside.

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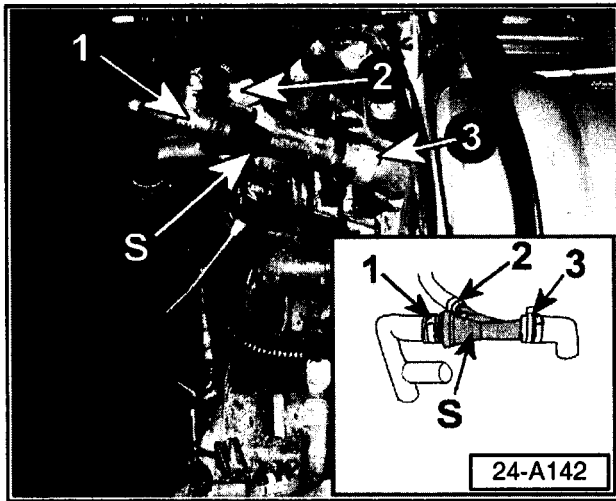


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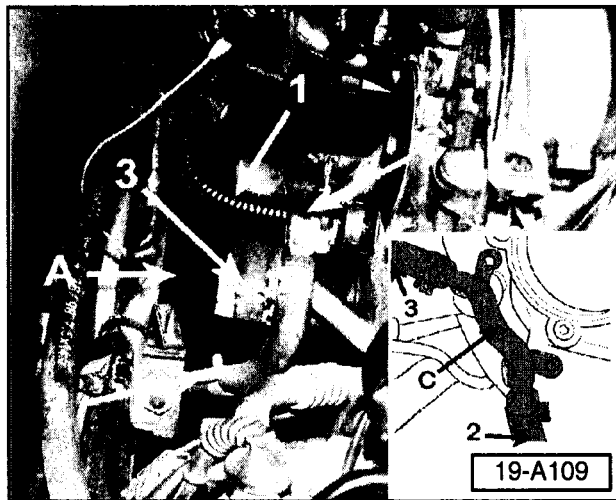
# Technical Bulletin



- ◀ - Remove screw clamp -1-, pinch clamps-2- and -3- securing suction pump -S-, then remove suction pump.
- Install new suction pump -S- Part No: 058 133 753 B and secure in position with screw clamp -1-, new clamp -2- Part No: N 102 582 01 and new clamp -3- Part No: N 02 019 01.

**Note:**

*Illustration shows the area rearward of the intake manifold as viewed from the right side of the vehicle.*



- ◀ - Carefully disconnect crankcase ventilation hose -1- from engine block.
- Using clamp pliers (VAG 1921), remove clamps from heater hoses -2- and -3- connecting to metal water pipe -A-.
- Remove heater hoses -2- and -3- and contoured pipe -C- (see inset) from metal water pipe -A-.

**Note:**

*Illustration shows the area rearward of the intake manifold as viewed from the right side of the vehicle.*

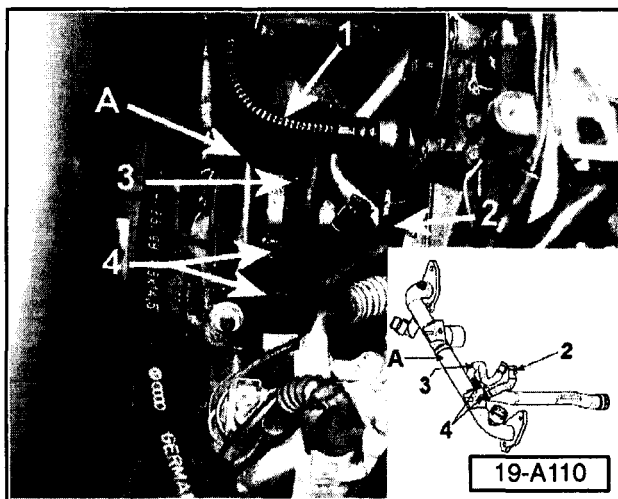


# Important!

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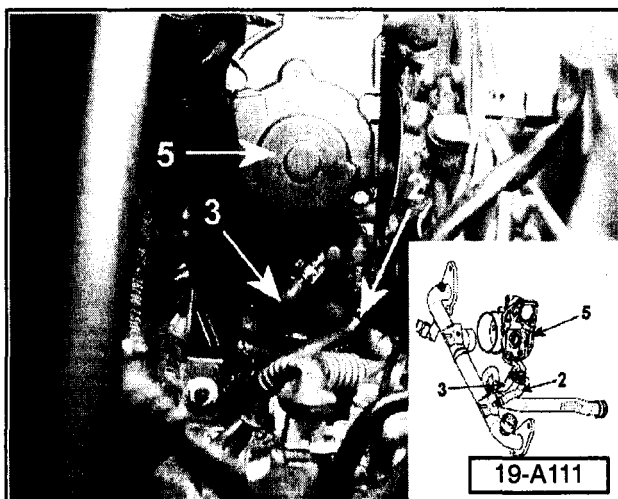
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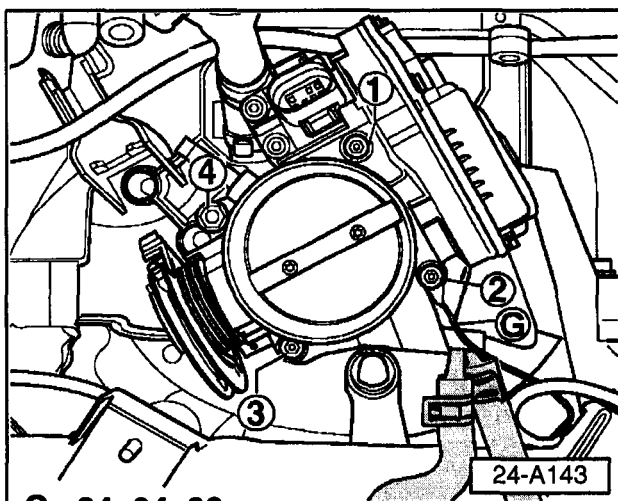
- ◀ - Connect new heater hose -3- Part No: 078 121 188G to metal water pipe 1 -A- with marking facing vertically upward; secure with new clamp -4- Part No: N 906 867 01.
- Connect new heater hose -2- Part No: 078 121 188F to metal water pipe -A- with marking facing vertically upward, secure with new clamp -4- Part No: N 906 867 01.
- Carefully reconnect crankcase ventilation hose -1- to engine block.

### Note:

*Kit 078 198 135 A contains all the new required parts.*



- ◀ - Connect other end of heater hose -3- to new throttle body -5- Part No: 078 133 068 AP and secure with new clamp Part No: N 906 867 01.
- Connect other end of heater hose -2- to new throttle body -5- and secure with new clamp Part No: N 906 867 01.



- ◀ - Reconnect throttle cable and cruise control linkage to throttle body.
- Install throttle body onto intake manifold, secure with screws -1-, -3- & -4- and tighten to 10 Nm (7 ft. lbs.).
- Install ground wire -G- with bolt -2- (securing the throttle body) and tighten to 10 Nm (7 ft. lbs.).

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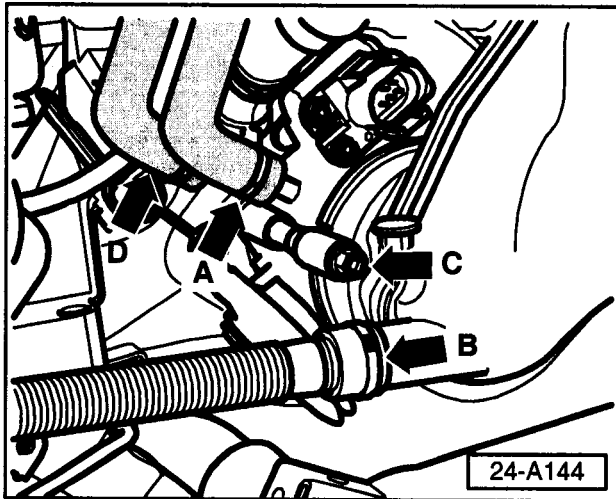
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# Technical Bulletin



- ◀ – Place air intake elbow in front of throttle body, reconnect crank case vent hose -B-, slide elbow to correct position on throttle body, secure with cap screw -C- and tighten to 10Nm (7 ft. lbs.).
- Reconnect vacuum hose -D- and secure with new clamp Part No: N 102 334 01.
- Reconnect evaporative emission (EVAP) canister purge regulator hose -A- to the throttle body and secure with clamp.
- Reconnect connector to throttle body.
- Reinstall solenoid plate with three screws.
- Reconnect previously disconnected vacuum lines.
- Reconnect connector for intake air temperature sensor.
- Reinstall cruise control vacuum unit and tighten bolt to 10 Nm (7 ft. lbs.).
- Reinstall wiring support.
- Reinstall intake air hose between MAF sensor and air intake elbow, secure with clamps and tighten to 10 Nm (7 ft. lbs.).
- Remove 3094 clamp from coolant reservoir hose and 3093 clamp from radiator hose and fill coolant reservoir with a 50/50 mixture of G12 coolant.
- Remove support from under accelerator pedal.
- Set throttle adaptation using VAS 5051 or VAS 5052 diagnostic tool.
- Start engine and check for coolant leaks.
- If necessary, top off engine coolant.
- Reinstall engine sound dampening pan and engine cover.
- Close hood.
- Properly dispose of all removed parts.

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# Technical Bulletin

**When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:**

<b>Claim Type:</b>	<b>SP</b>
<b>Damage Code:</b>	<b>24H6 16 VDO 2</b>
<b>Part Identifier:</b>	<b>24H6</b>
<b>Labor Operation:</b>	<b>24H69999 180 TU</b>

**Claim Comment: Input "As per Technical Bulletin A240403" into the comment section of the Warranty claim.**

**Audi of America, Inc.**



3800 Hamlin Road  
Auburn Hills, MI 48326

October 2004

**Subject: Technical Bulletin – Install Replacement Throttle Body Kit  
1998-1999 Model Year Audi A6 Vehicles with 2.8L V6 5-valve Engine  
and Automatic Transmission**

Dear Audi Owner:

We are writing to you to inform you of a condition that exists in some 1998-1999 model year Audi A6 vehicles with a 2.8L V6 5-valve engine and automatic transmission when operated in extremely low ambient temperatures. Our records show that you are the owner of one of these vehicles, however your vehicle is not registered in a state that is likely to experience temperatures 5°F or below.

**What Is The Problem?**

Audi has determined that, in some cases while driving for a period of time at a steady rate of speed during extremely low ambient temperatures (5°F or below), the throttle on affected vehicles may remain in an open position due to ice accumulating in the throttle body. If this occurs, the vehicle may maintain speed when the driver expects the vehicle to slow. Audi is conducting a safety recall for this matter in cold weather states.

**What We Would Like You To Do**

Because this condition is present only in cold climates, it is not expected to cause a safety problem for you. However, if you plan on traveling to areas where it is possible for temperatures to drop to 5°F or below, or if you should decide to move to or sell your vehicle to a resident in the states of: Alaska, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Jersey, Nevada, New Hampshire, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Washington, Wisconsin or Wyoming, please contact your authorized Audi dealer and arrange for an appointment so that this repair can be performed on your vehicle. In any case, you may obtain the free remedy upon request. This service will take approximately 2 hours, however your dealer may need additional time for the preparation of the repair as well as to accommodate the daily workshop schedule.

We also remind you to follow all the information in your owner's manual regarding the floor mats in your vehicle, including securing your factory floor mats properly to prevent any unwanted interference with the throttle pedal, and using only genuine Audi mats.

**What Will Audi Do?**

At your request, we will install a replacement throttle body kit on your vehicle free of charge.

**Lease Vehicles**

If you are the lessor and registered owner of the vehicle identified in this action, the law requires you to forward this information immediately via first-class mail to the lessee within ten (10) days of receipt of this notification.

**Have You Changed Your Address Or Sold The Vehicle?**

If you have, please fill out the enclosed prepaid Owner Reply card and mail it to us so we can update our records.

**Reimbursement of Expenses**

If you have previously incurred expenses relating to throttle body not returning to idle in extremely low ambient temperatures, the enclosed form explains how to request reimbursement. We would be pleased to review your reimbursement request.

**Service Help from Us**

If your authorized Audi dealer fails or is unable to complete this work free of charge within a reasonable time, or if you are not satisfied for *any reason* with the repair please call or write to:

*Audi of America, Inc.*  
**Attn: Customer Relations (Throttle Body Kit Technical Bulletin)**  
3499 West Hamlin Road  
Rochester Hills, MI 48309  
1-800-822-2834

We regret any inconvenience this matter may cause. Thank you for your continued loyalty.

Sincerely,

Maria Cotter  
Product Compliance