

Audi of America, Inc.



SAFETY RECALL INFORMATION

Audi of America, Inc.
3800 Hamlin Road
Auburn Hills, MI 48326
United States of America
www.audiusa.com

March 2009

Subject: Revisions to Safety Recalls KU (KU00) and KW (KW00)
Install vacuum by-pass kit (KU)
Replace tie rod ends (KW)

Dear Service Manager and Warranty Administrator:

This letter is to inform you that the Safety Recalls KU and KW circulars have been revised as follows.

- Several kit part numbers have been superseded and replaced with individual part numbers.
- Vehicle car wash and loaner are no longer applicable and had been removed.
- A causal indicator has been added.
- Labor operation for inspection has been removed from the KU campaign.

If you have any questions please contact the Campaign Helpline at (800) 741-2919

Sincerely,

Audi Product Quality and Technical Service

IMPORTANT INFORMATION



Please inform and provide a copy of this document to every person in your dealership with campaign-related responsibilities, including Service, Parts and Accounting personnel. By law, dealers must correct, prior to delivery for sale or lease, any vehicle that fails to comply with an applicable Federal Motor Vehicle Safety Standard or that contains a defect relating to motor vehicle safety. If you have questions regarding this or any other campaign, please call (800) 741-2919.

Safety Recall Circular

Code: **KU00/KU**

Subject: 1997-1999 Model Year Audi A4 vehicles equipped with 1.8T engine and automatic transmission, 2.8L V6 engine and standard/automatic transmission, and 1998-1999 Model Year Audi A6 vehicles equipped with 2.8L V6 engine and automatic transmission vehicles
Install Vacuum By-pass Kit

REVISED

March 2009

Revision Summary:

- Update part numbers for several repair kits
- Vehicle car wash/vacuum and loaner are no longer applicable to this campaign
- Causal Indicator added
- Labor operation for inspection has been removed

Problem Description

Audi has found that at ambient temperatures of below -4°F under certain driving conditions a control valve in the brake booster vacuum system may not fully open. Should this happen, it could result in insufficient vacuum being provided to the brake power assist unit. Although the problem does not occur at temperatures above -4°F, we recommend that the recall work be performed also on vehicles which are not regularly operated in the colder regions of the country. See customer letters attached in this circular for additional information.

Corrective Action

Install a brake power assist unit vacuum by-pass kit.

VIN Range of Affected Vehicles

1997-99 1.8T A4 Automatic

WAU ___ 8D _ VA000192 - WAU ___ 8D _ XA214064

1997-99 2.8L A4 V6 Automatic

WAU ___ 8D _ VA226919 - WAU ___ 8D _ XA200109

1997-99 2.8L A4 V6 Standard

WAU ___ 8D _ VA227050 - WAU ___ 8D _ XA086572

1998-99 2.8L A6 V6 Automatic

WAU ___ 4B _ WN028644 - WAU ___ 4B _ XN065033

NOTE: Check ElsaWeb on the day of repair to verify vehicle eligibility and attach the screen print to the repair order. This is the only valid campaign inquiry and verification source. Some vehicles may be involved in an additional action(s); any additional work can be done while the vehicle is in for this action.

Allocation Report of Affected Vehicles

By separate mail, we furnished you (2) separate computer lists containing information for vehicles of 1.8T and 2.8L V6 owners who may reside within your area of responsibility.

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 and Allocation

Vacuum kits, 058 198 751, were shipped to your dealership. If you have exhausted your allocated parts for vehicles affected by this safety recall, but have exceeded your Upper Order Limit, please submit your requests for additional material via email to upperorderlimits@audi.com.

Owner Notification Mailing

In September 1999 Audi began customer notification to all known owners of affected vehicles. A sample copy of this letter is enclosed.

Claim Entry Procedure

Immediately upon completion of the repair work, enter the Repair Operation(s) from the chart on the following page and the **Applicable Criteria ID that is shown in ElsaWeb**. Claims will only be paid for vehicles that show this campaign open in ElsaWeb on the day of the repair. To help ensure prompt and proper payment, attach the screen print to the repair order. See SAGA claim entry procedure on next page.

The information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2009 Audi of America LLC and Audi Canada. All Rights Reserved.

Saga Claim Entry Procedure

Check in the ElsaWeb system, to determine whether the "KU00" campaign is open.

Service No.: KU00

Damage Code: 0099

Parts Manufacturer - Removed part: Use vendor code 002.

Causal indicator - Select repair operation as Causal Indicator

Claim Type

Sold vehicle = 7 10

Unsold vehicle = 7 90

A4 1.8T (Automatic)

Criteria ID Code: 01 Install vacuum bypass kit

Repair operation: 4770 19 99 60 TU

1 058 198 751 Kit

A4/A6 2.8L V6 (Standard/automatic w/o throttle valve control module)

Criteria ID Code: 01 Install vacuum bypass parts

Repair operation: 4770 19 99 195 TU

1 078 198 998P Kit

OR

1 027133784E Hose

1 078133807 Hose

1 078905291B Valve **NEW**

2 N 10233401 Clip

3 N 10258201 Clip

1 8D1 611 931AR Vacuum Pipe

1 N 10201801 Clamp

A4 2.8L V6 (Standard with throttle valve control module)

Criteria ID Code: 01 Install vacuum bypass kits

Repair operation: 4770 19 99 195 TU

1 078 198 998M Kit

OR

1 078198132A Kit

OR

1 078121188F Hose **NEW**

1 078121188G Hose

1 078133063AQ Throttle

1 N 90686701 Clip

AND

1 078198998P Kit

1 8D1 611 931AR Vacuum Pipe

1 N 102 018 01 Clamp

A4/A6 2.8L V6 (Automatic with throttle valve control module)

Criteria ID Code: 01 Install vacuum bypass kits

Repair operation: 4770 19 99 195 TU

1 078 198 998N Kit

OR

1 078198135A Kit

1 078198998P Kit **NEW**

1 8D1 611 931AR Vacuum Pipe

1 N 102 018 01 Clamp

There is NO reimbursement for Vehicle Wash

If Customer Refuses Repairs:

Fax the Repair Order to VWoA at (248) 754-5093 and provide VIN, applicable Service Number, Customer Information, Dealer Number, and Date.

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Audi of America, Inc.



3800 Hamlin Road
Auburn Hills, MI 48326

September 1999

DRAFT (1) 2.8L

Cold Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass 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 1997/99 model Audi 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Audi dealers on or about October 15, 1999.

Anticipated Repair Time

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible after parts are available.

Please contact the Service Department of your authorized Audi dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Audi in for the service.

Precautions

The information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Audi dealer. ©2009 Audi of America LLC and Audi Canada. All Rights Reserved.

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

If your authorized Audi dealer fails or is unable to remedy the defect free of charge within a reasonable time, please call or write to:

Audi of America, Inc.
Attn: Client Relations - 2F02 (KU)
3800 Hamlin Road
Auburn Hills, MI 48326-2855
Toll-free Telephone: (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: (800) 424-9393 (Washington, DC area: 366-0123).

We regret any inconvenience this matter may cause you; however, we want to make sure that your Audi is safe and operates to your satisfaction.

Thank you for driving an Audi.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Audi of America, Inc.



Audi

3800 Hamlin Road
Auburn Hills, MI 48326

September 1999

DRAFT (1) 1.8T

Cold Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass 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 1997/99 model Audi A4 1.8T automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

It is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions are already available at authorized Audi dealers.

Anticipated Repair Time

The recall work will take approximately one hour. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

What You Need To Do

We have determined that you are residing in a geographical region of the country which could experience temperatures as low as -4°F or lower and recommend that you make an appointment with your dealer so that the recall may be completed as soon as possible.

Please contact the Service Department of your authorized Audi dealer and schedule an appointment as soon as possible. Also, please present the enclosed form, which identifies your vehicle, to your dealer when you bring your Audi in for the service.

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Precautions

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Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

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Thank you for driving an Audi.

Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

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

September 1999

DRAFT (2) 2.8L

Warm Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass 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 1997/99 model Audi 2.8L 5 Valve V6 standard and automatic transmission vehicles. Our records show that your Audi is one of the vehicles affected by this voluntary safety recall action.

Defect Description

If it is possible that the vacuum flow from the engine's intake manifold to the power brake system could be obstructed by freezing moisture in the manifold if the vehicle is operated continuously at outside temperatures of -4°F or below. If that happens, you will experience braking with diminished or no power assist when the brakes are applied.

What You Need To Do

We have determined that you are not residing in a region of the country which will ever experience temperatures as low as -4°F or lower in major population centers. The defect is therefore not likely to cause a safety problem for you, so there is no need for you to respond to this notice immediately.

However, we recommend that you have the recall completed if you should decide to move to, sell your vehicle to a resident in or plan to drive your vehicle in the states of Alaska, Colorado, Connecticut, Idaho, Illinois, Iowa, Maine, Massachusetts, Michigan, Minnesota, Montana, Nebraska, Nevada, New Hampshire, New York, North Dakota, Oregon, South Dakota, Vermont, Washington, Wisconsin or Wyoming. In that case, please make an appointment with your nearest Audi dealer.

Remedial Repair

Your authorized Audi dealer will install a vacuum by-pass which will allow full vacuum to be available for power assist under all weather conditions.

Repair Schedule

Parts including the necessary installation instructions will be available at authorized Audi dealers on or about October 15, 1999.

The recall work will take approximately 2-3 hours. However, your dealer may need additional time to accommodate the daily workshop schedule. The work will, of course, be performed at no charge.

Precautions

If, prior to the time that the corrective work is performed, your brake pedal should feel "hard" upon braking, you will still be able to brake the vehicle by applying much greater force to the pedal. Also, contact your authorized dealer immediately.

Lease Vehicle

If the vehicle identified in this recall is a leased vehicle and you are the lessor and registered owner, please forward this information by first class mail to the lessee.

Service Problem Help

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Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

September 1999

DRAFT (2) 1.8T

Warm Area Residents

**Subject: Recall Campaign KU
Install Brake Booster Vacuum By-pass 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 1997/99 model Audi A4 1.8T automatic transmission vehicles. Our records show that your Audi vehicle is one of the vehicles affected by this voluntary safety recall action.

Defect Description

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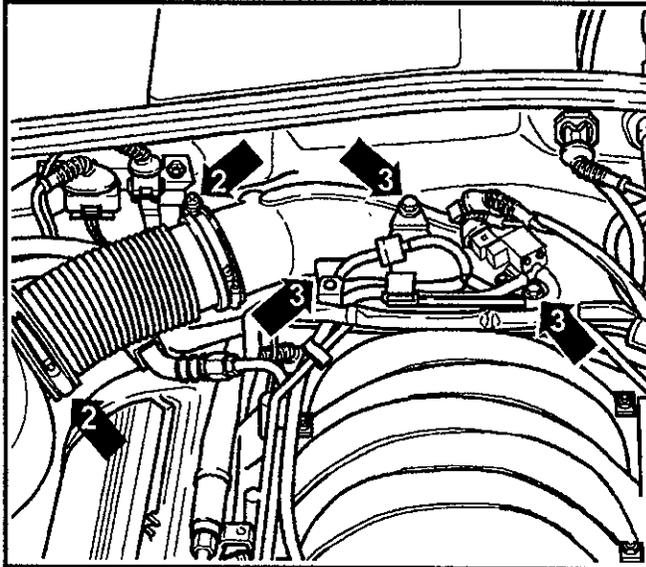
We regret any inconvenience this matter may cause you; however, we want to make sure that your Audi is safe and operates to your satisfaction.

Thank you for driving an Audi.

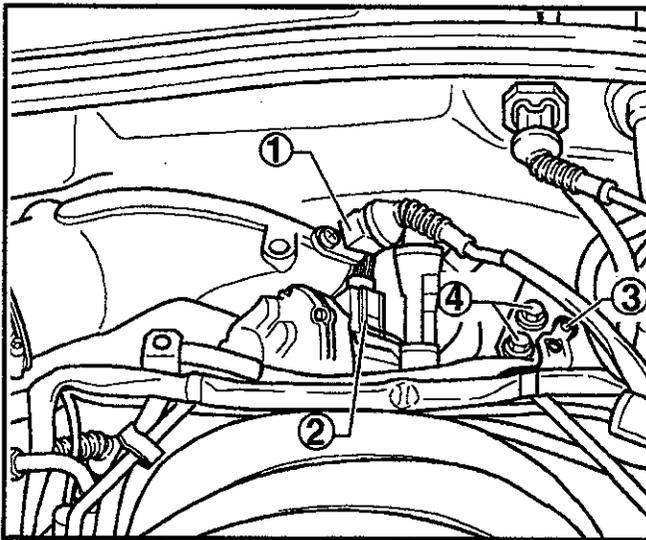
Sincerely,

Andreas H. Steglich
Product Compliance Team Leader

Work Sequence

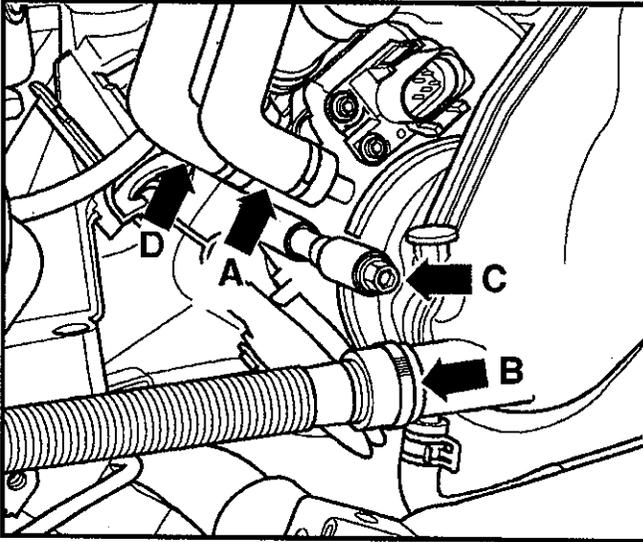


- ⇐ Lower vehicle and remove intake air hose between Mass Air Flow (MAF) sensor and air intake elbow by loosening clamps -2-
- ⇐ Remove three bolts -3- securing solenoid plate assembly located rearward of the intake manifold
- Disconnect vacuum hoses and electrical connectors (note location of vacuum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

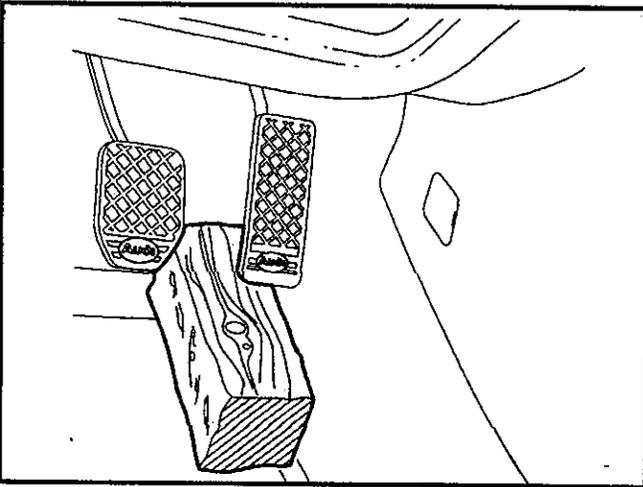


- ⇐ Unclip wiring support -3-
- ⇐ Disconnect connector -1- for intake air temperature sensor
- Move disconnected solenoid plate assembly to one side
- ⇐ Disconnect connector -2- from throttle body
- ⇐ Remove cruise control vacuum unit from support -4-

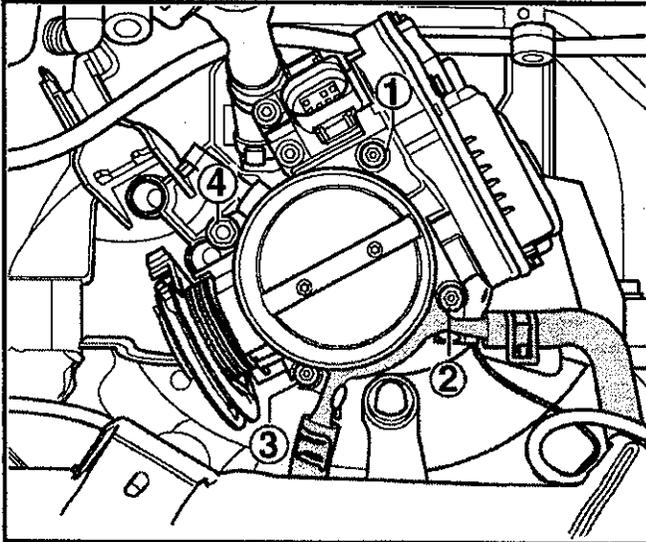
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- ⇐ Remove cap screw -C- from air intake elbow and slide elbow rearward
- ⇐ Disconnect crankcase ventilation hose -B- from intake air elbow and remove elbow
- ⇐ Disconnect vacuum hose -D- and evaporative emission (EVAP) canister purge regulator hose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



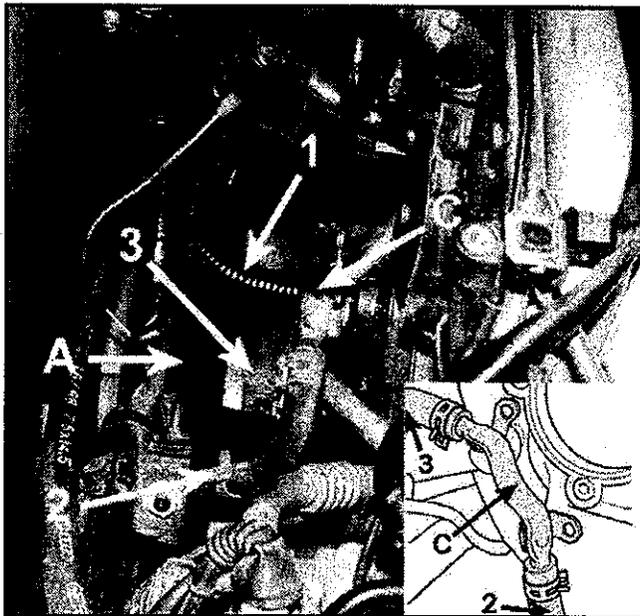
Note: A support (90 mm or 3.5 inches) under the accelerator pedal will ease cable tension and aid in disassembly



⇐ 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

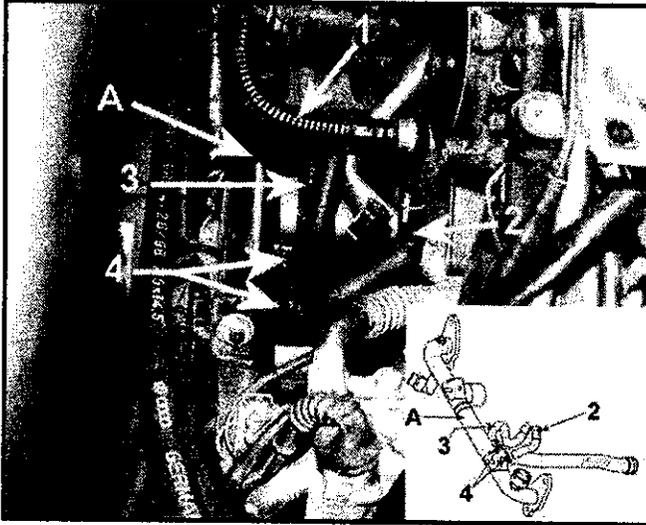


⇐ Carefully disconnect crankcase ventilation hose -1- from the engine block

⇐ Using clamp pliers VAG 1921, remove clamps from heater hoses -2- and -3- connecting to metal water pipe -A-

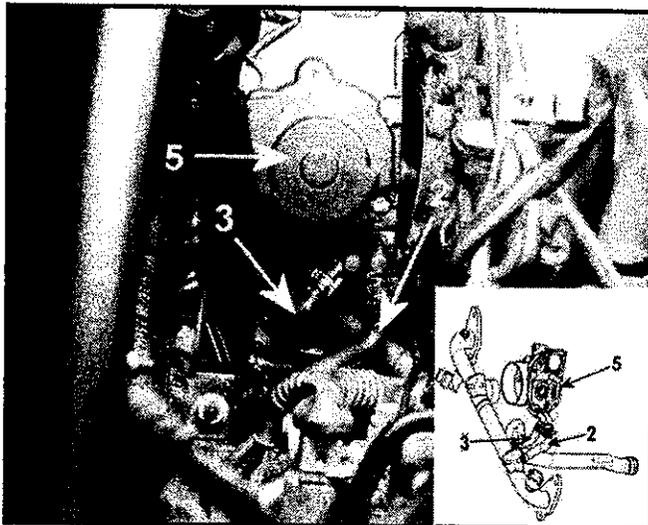
⇐ Remove heater hoses -2- and -3- and contoured pipe -C- from metal water pipe -A-

Note: The illustration is showing the rear side of the engine as viewed from the right side of the vehicle

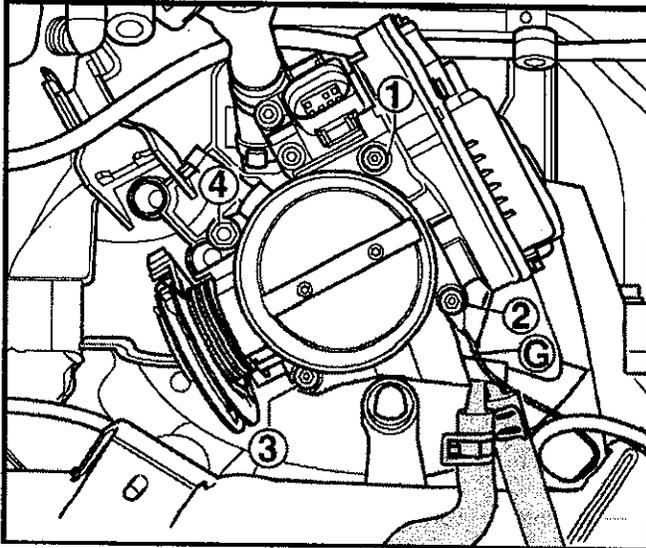


- ⇐ Connect new heater hose -3- (078 121 188 G) to metal water pipe -A- with marking facing vertically upward; secure with new clamp -4- (N 906 867 01)
- ⇐ Connect new heater hose -2- (078 121 188 F) to metal water pipe -A- with marking facing vertically upward; secure with new clamp -4- (N 906 867 01)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

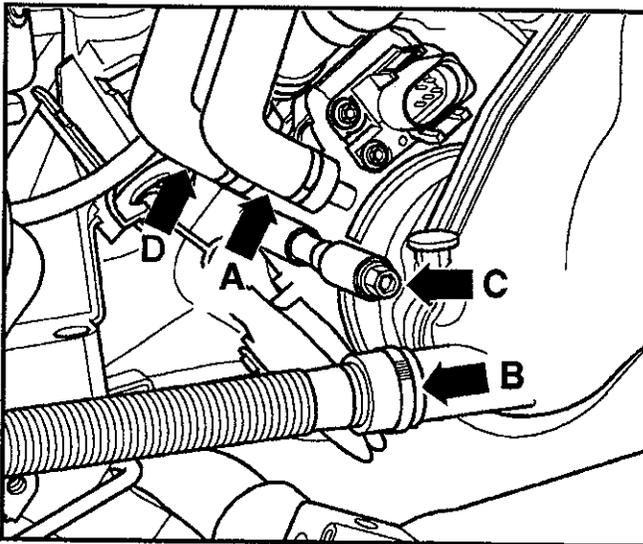
Note: Kit 078 198 135 A contains all the new required parts



- ⇐ 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 or 7 ft. lbs.)
- ⇐ Reconnect vacuum hose -D- and evaporative emission (EVAP) canister purge regulator hose -A- to the throttle body and secure with clamps

- 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

WORK IS COMPLETE

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