



SUBJECT:		No: SR-09-002	
BRAKE BOOSTER CHECK VALVE REPLACEMENT SAFETY RECALL CAMPAIGN		DATE: April, 2009	
		MODEL: 2008-09 Lancer, 2008-09 Outlander	
CIRCULATE TO:	<input checked="" type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input checked="" type="checkbox"/> SALES MANAGER

PURPOSE

On some affected vehicles equipped with automatic transmissions (including CVT), the brake booster check valve may stick closed when the engine is shut off. Under certain conditions (very slow vehicle maneuvers after a restart) there may be insufficient initial brake assist, which may temporarily increase the stopping distance of the vehicle and therefore increase the risk of a crash.

This Safety Recall Bulletin contains instructions for replacing the brake booster check valve. A new check valve must be installed. Refer to the Parts Information section of this bulletin for additional information.

AFFECTED VEHICLE(S)

U.S. — 2008-09 Lancer and Outlander built between October 23, 2007 and January 22, 2009

CANADA — 2008-09 Lancer built between October 24, 2007 and January 22, 2009
2008-09 Outlander built between October 23, 2007 and December 1, 2008

Vehicles equipped with automatic transmission or CVT only.

IMPORTANT

Affected new or used inventory vehicles must be repaired, before the vehicle is sold. Each dealer's affected VINS can be found on the MDL as part of their Open Recalls list. Dealers must check the VINS of their used inventory vehicles on the Warranty Super Screen to verify whether the vehicle is involved in this recall campaign. Please contact owners of recently sold VINS to bring their vehicle to the dealership for this procedure.

CUSTOMER NOTIFICATION

A letter will be sent to all owners of affected vehicles telling them to bring their vehicle to their Mitsubishi Motors dealer to have the brake booster check valve replaced. A copy of the customer notification letter appears later in this bulletin.

REQUIRED OPERATIONS

Before starting this recall campaign procedure, CHECK THE WARRANTY SUPERSCREEN to verify that the vehicle is an affected VIN for this campaign and that this campaign procedure has not already been completed.

Following the instructions in this recall bulletin, replace the brake booster check valve. Refer to the Parts Information section later in this recall campaign bulletin for the brake booster check valve part number and related information.

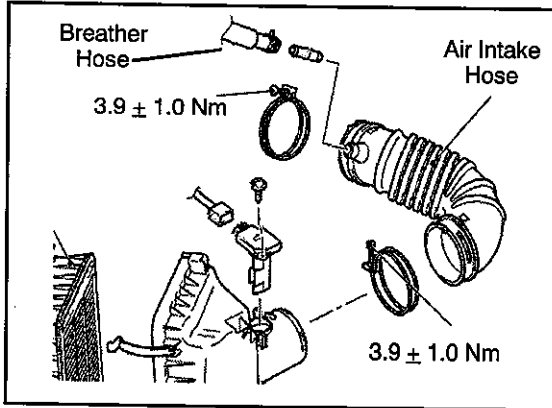


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FILE UNDER:	SAFETY RECALL BULLETINS, in the Dealer Service Information Binder	(3478)
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PROCEDURE

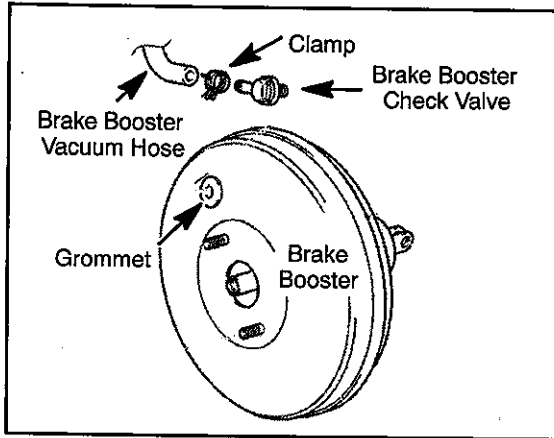
1. Open the hood and support it with the hood support rod.



OUTLANDER V6 - For all others, go to step 5

AIR INTAKE HOSE REMOVAL

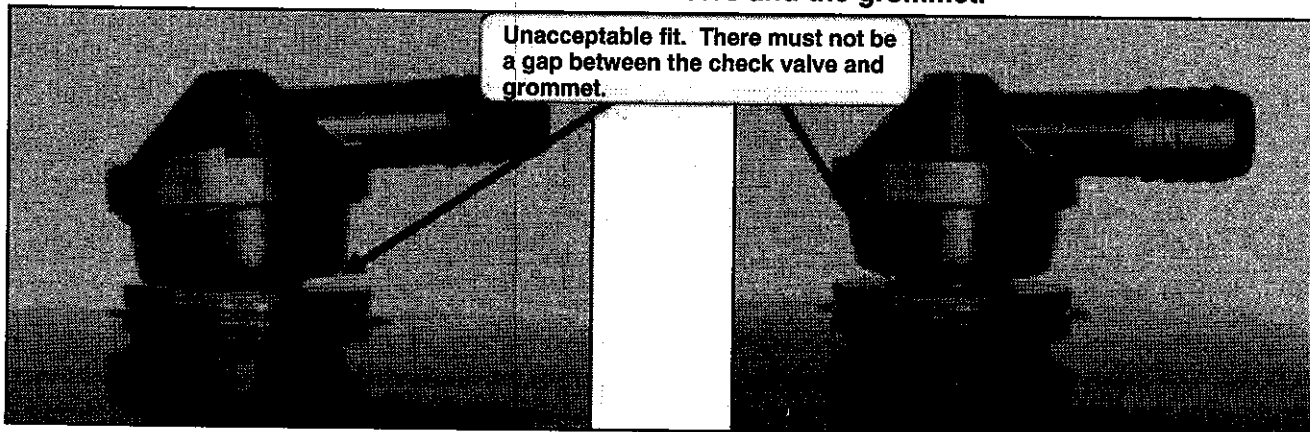
2. Using pliers, compress the clamp securing the breather hose retaining clip and slide the clamp away from the fitting on the air intake hose.
3. Remove the breather hose from the air intake hose.
NOTE: If the fitting comes out of the air intake hose, re-install it and continue with the next step.
4. Loosen 2 band clamps and remove the air intake hose.

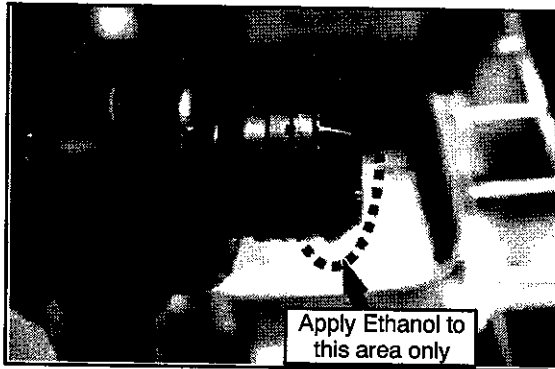


5. Locate the brake booster.
6. Using pliers, compress the clamp securing the brake booster hose to the brake booster check valve and slide the clamp away from the valve.
7. Remove the hose from the check valve.
8. Take note of the direction the check valve is facing.
9. Remove the check valve from the brake booster.
10. Insure that the grommet is in position and flush to the booster surface prior to installing the new check valve.

11. Install a new brake booster check valve **facing the same direction as the one you removed**. Insure that the check valve is completely inserted and that no gap exists between the valve and the grommet (see following photos).

CAUTION Insure the check valve fits flush to the grommet. There must not be a gap between the base of the check valve and the grommet.





NOTE: If necessary, you may use ETHANOL ONLY (ethyl alcohol) as a lubricant by coating only the bevelled surface of the check valve before inserting it into the grommet.

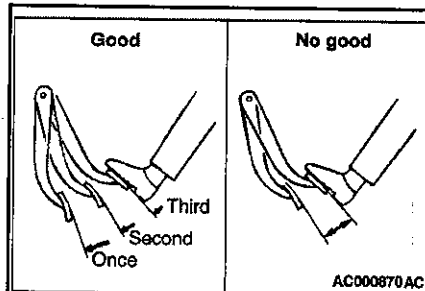
!! CAUTION!! Do not use any other agent as a lubricant.

- Do not use mineral-oil-based lubricants or engine oil as these could cause the grommet to swell.
- Do not use neutral detergents as they are low volatility and may not evaporate and remain in the valve.

Reinstallation of the air intake hose is the reverse of removal. Refer to the illustration accompanying step 2 and torque the band clamps to the specification shown.

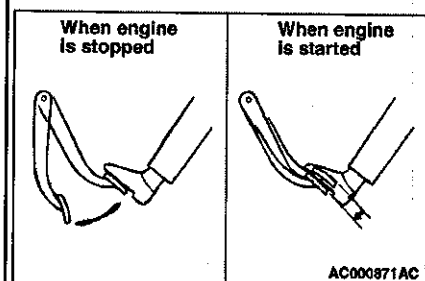
12. Reinstall the breather hose and secure it with the clamp.
13. For V6 vehicles, reinstall the air intake and breather hoses in the reverse order of removal (refer to air intake hose removal steps).
14. Perform the brake booster operation check procedure.

BRAKE BOOSTER OPERATION CHECK

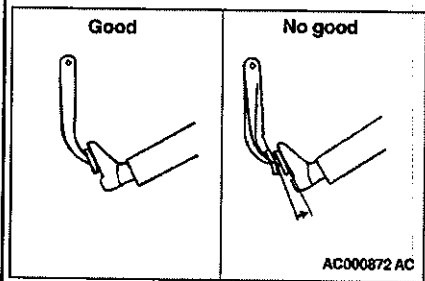


1. Carry out following simplified brake booster operation check:

- (1) Run the engine for 1 to 2 minutes, and then shut it off. Depress the brake pedal using normal force. The test result is considered "Good" if there is a long pedal stroke at the start of the test, followed by a shorter stroke each time you depress the pedal. If the pedal stroke does not change, the test result is considered "No Good."



- (2) With the engine off, depress the brake pedal several times. Keep the brake pedal depressed and start the engine. If the pedal stroke became longer, the test result is considered "Good." The test result is considered "No Good" if the pedal stroke does not get longer.



- (3) With the engine running, depress the brake pedal. Stop the engine while holding the pedal. The test result is considered "Good" if the pedal height does not change for approximately 30 seconds. The test result is considered "No Good" if the pedal moves upward.

2. The brake booster is considered normal when the results of all the above tests are "Good."

When one or more of the above test results are "No good," then the check valve, vacuum hose or brake booster should be checked.

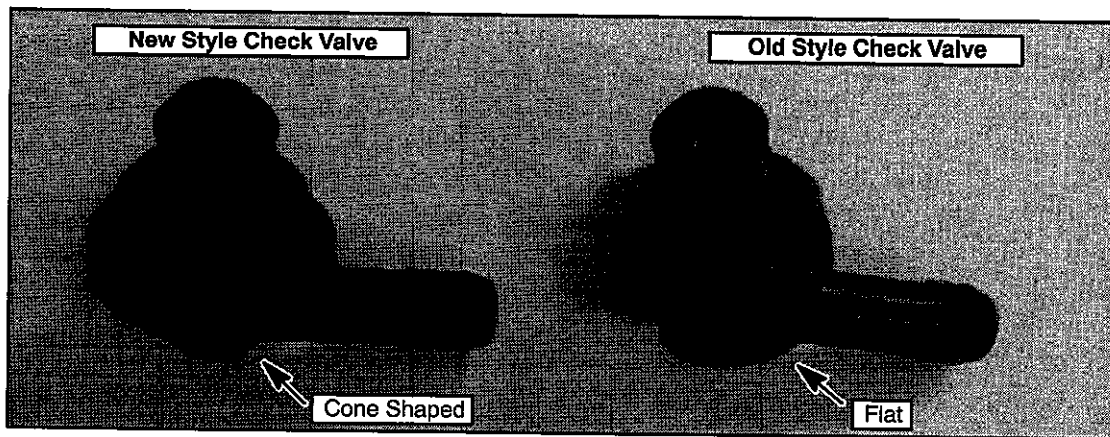
PARTS INFORMATION

PARTS MANAGER: Refer to Parts Bulletin 35-UT-02-09 (Outlander) and 35-LN-01-09 (Lancer) for additional details.

A supply of Brake Booster Check Valves will be allocated to each dealer. Determine your actual needs before ordering additional parts.

Required Parts:

Part #	Description
4630A187	Check Valve, Brake Booster



RECALL CLAIM INFORMATION

Campaign Labor Operation: C0903S01

Labor Time: 0.3 hr.

Required Part Numbers

Each repair requires the use of one Check Valve. Only one of this part number will be allowed on a claim. Check the part number against the part number on the related repair order.

Claim only the one applicable part number from the "Required Parts" listed in the Parts Information Section.

Please follow the service claim example shown on the following pages.

Header Section **Certain 2008-2009 LANCER & OUTLANDER - BRAKE BOOSTER CHECK VALVE REPLACEMENT**

MITSUBISHI DEALER LINK		Service Warranty		Help	
Campaign Entry		Vehicle Information		FORMER	
<p>Campaign Information</p>					
Campaign Operation No	C0903S				
Miles/Km					
VIN	JA.....	In			
Service Technician	Emp No	Service Advisor	Emp No		
Spec Value *		Duplicate Recall *		<input type="checkbox"/>	
Dealer:	99320	Ref No:	VIN:		
Claim No:	Adj:	Claim Status:	Incomplete	Model and Year:	
Save & Continue			Main Menu		

Enter the first 6 characters of the campaign labor operation. There is only 1 selection available for this recall campaign.

This campaign is for certain 2008 & 2009 Lancer and Outlander vehicles. All involved vehicles will require the check valve to be replaced. Check the Superscreen each time to be certain of a vehicle's eligibility.

Note: In the very rare instances that it may be necessary to arrange towing and/or to provide a temporary rental / loaner vehicle to a customer. Please use the entry fields at the bottom of the campaign claim's labor section.

Special Sublet Selection					
Select	Labor Operation	Labor Operation Description			Amount
<input type="checkbox"/>	SHO	SPECIAL HANDLING ORDER	SHO Parts Order		
<input type="checkbox"/>	RENTACAR	RENTAL CAR CHARGES	Days	Reason (Select one)	
			Rental Company	Invoice Number	
<input type="checkbox"/>	95300040	FREIGHT CHARGES	Freight Company	Invoice Number	
<input type="checkbox"/>	95200040	TOWING CHARGES	Towing Company	Invoice Number	

CLAIM EXAMPLE: BRAKE BOOSTER CHECK VALVE REPLACEMENT - PARTS SECTION

MITSUBISHI DEALER LINK Recall Claim Warranty Claim Help

Add Page - Parts Information

Vehicle Page Completed: Claim Status is Incomplete.

You must replace the check valve on all involved vehicles. Use this part number:
4630A187
 No other parts are allowed or required.

No.	Description	Qty	Part Amount
1.		Qty = 1	
2.			
3.			
4.			
5.			
6.			
7.			

LABOR SECTION: LABOR FOR THE INSPECTION with REPAIR

MITSUBISHI DEALER LINK Recall Claim Help

Add Page - Labor Information

Parts Cancelled; Claim Status is Incomplete

Note: These entries will automatically be filled in based on the campaign number you entered on the previous screen.

Description	Qty	Total Hrs	Labor Amt
C0903S01	1	0.3	
Total Labor Amount			

Verify C0903S01 comes up as the full campaign labor operation number.