

VOLVO

Volvo Trucks North America, Inc.

RECEIVED
NHTS-215

2004 JUL 27 A 10:55

OFFICE OF
DEFECTS INVESTIGATION

July 26, 2004

EXPRESS MAIL

Associate Administrator for Enforcement
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, DC 20590

RE: NHTSA Recall Campaign Number: 04V-315

Volvo Trucks North America, Inc., Recall Number: RVXX0403

Volvo Trucks North America, Inc. of Greensboro, North Carolina, per the requirements of 49 CFR Part 573.6 (c)(10) herewith submits a copy of its recall bulletin and owner notice for the subject recall. Mailing of the bulletin and owner notices will begin on August 9, 2004, and be completed on August 12, 2004.

Very Truly Yours



Tim L. LaFon
Regulatory Compliance Manager

Enclosures (2)

RECEIVED
HVS-215**SAFETY RECALL RVXX0403
AUGUST 2004****SAFETY RECALL BULLETIN**

**ATTENTION: SERVICE MANAGERS
PARTS MANAGERS**

SUBJECT: Fifth-wheel Air Release Valve

SAFETY RECALL INFORMATION:

Volvo Trucks North America, Inc. has decided that a defect relating to motor vehicle safety exists in certain Volvo VN model vehicles.

If there is a malfunction in the solenoid valve, air may be released to the fifth wheel latch.

This condition could cause the fifth wheel latch to release inadvertently that may result in loss of the trailer, creating the potential for a vehicle crash.

VEHICLES AFFECTED:

Certain Volvo model vehicles manufactured by Volvo Trucks North America, Inc. between January 13, 2003, and March 18, 2004.

VEHICLE IDENTIFICATION NUMBERS (VIN):

There are one thousand three hundred and seventy-four (1,374) vehicles affected by this recall.

NOTE: To verify or determine if a particular vehicle is affected by this recall (or any other recall), you should consult the DCS, Service/Warranty screen. By entering the Vehicle Identification Number into the VEHINQ segment, the screen will display any outstanding recall.

If a "Dealer Listing" is enclosed it identifies the vehicles that were sold or shipped to your dealership. Be sure to check the VEHINQ screen before performing the recall to verify that the recall is still open.

INSPECTION INSTRUCTIONS:

There are no inspections associated with this recall.

REPAIR:

The recall repair consists of installing an additional solenoid valve in the pneumatic circuit for the fifth wheel air release per the instructions found on page 4 of this bulletin.

TIME ALLOWANCE:

- | | |
|-------------------------------------|---------------------------------|
| Inspection: | - Not required for this recall. |
| Repair (includes take charge time): | - 1.0 hour per vehicle |

RECALL PARTS:

Recall Kit Number: 85107728

The kit consists of two (2) solenoid valves, a wiring harness, a fitting, a bolt, nut, and washer, and a one (1) meter length of tubing.

One (1) kit is required per vehicle.

KIT ORDERING PROCEDURES:

Kits for this recall should be ordered through Volvo Trucks North America, Inc. Dealer Communication System. The following information is required to place an order:

1. Your dealer account number, and
2. Recall kit number.

NOTE: Kits must be ordered class one.

The cost of the kit plus 30% dealer mark-up will have to be claimed according to the guidelines identified under the heading "*Claims for Credit*".

DEALER INVENTORY:

No parts in dealer inventory will be affected by this recall.

REMOVED PARTS:

No parts are removed by this recall.

CLAIMS FOR CREDIT:

Expenses associated with the performance of this recall will be reimbursed based on the guidelines identified in this bulletin, and by submitting a claim following published instructions in the claim preparation section of the "Service Operations Manual".

NOTE: Claims for a recall repair must be submitted within 2 working days from the repair date.

CLAIM CODING INFORMATION:

Type: - P

Authorization Number: - RVXX0403

Inspection: - None

Repair (includes take charge time): - 56351-0-02 (1.0 hour per vehicle)

OWNER RECALL RESPONSE CARD:

The "Owner Recall Response Card" is to provide the vehicle owner with a convenient way to notify Volvo Trucks North America, Inc. of changes affecting the ownership of the subject vehicle. The owner card is not intended for dealer usage other than to assist you in the preparation of the repair orders necessary to perform the applicable recall on the subject vehicle. Please do not use the card as a way to inform Volvo Trucks North America, Inc. that the vehicle has been inspected or modified. Your DCS claim on line is the appropriate means of informing Volvo Trucks North America, Inc. that the vehicle has been inspected or modified.

DEALER RECALL RESPONSIBILITY:

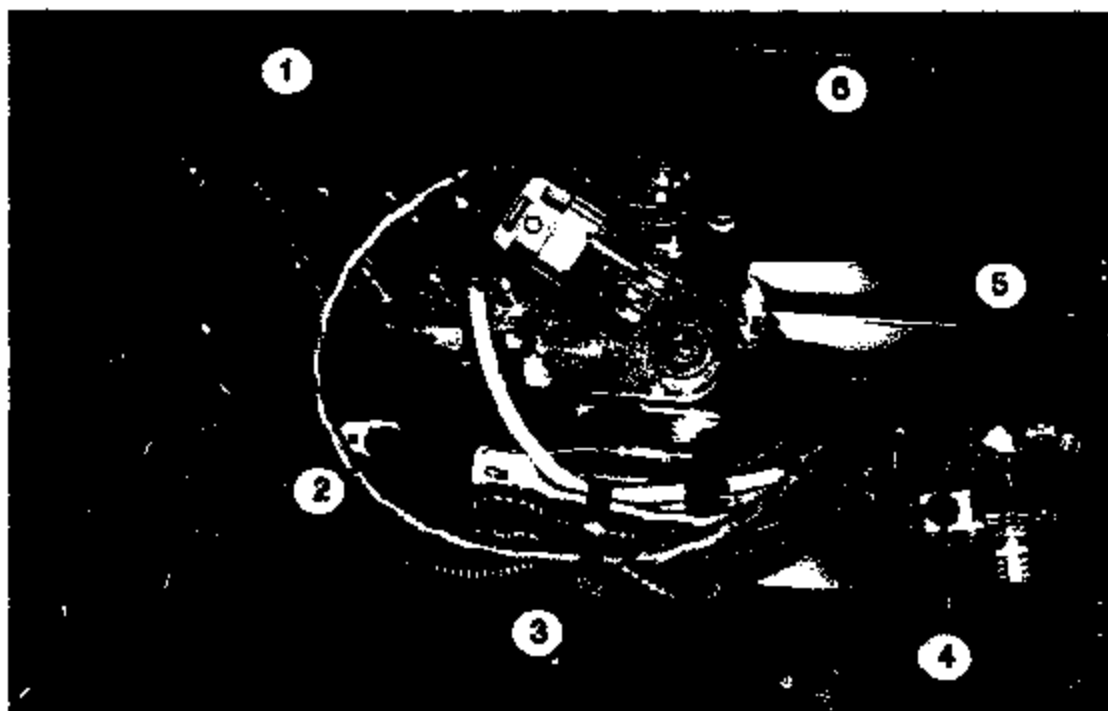
Dealers are to perform the recall on all vehicles subject to the recall at no charge to the owner regardless of mileage, age of vehicle, or ownership from this time forward. Whenever a vehicle subject to this recall is taken into or is in your vehicle inventory or dealership for service, we strongly recommend you make every effort to perform the recall correction before the vehicle is sold or released to the owner.

IMPORTANT NOTICE:

Please note that the National Traffic and Motor Vehicle Safety Act requires that the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The law states that failure to repair a vehicle within sixty (60) days after tender for repair shall be a prima facie evidence of unreasonable time. However, circumstances of a particular situation may reduce the sixty (60) day period. If an owner's vehicle is not repaired within a reasonable time, he or she may be entitled, without charge, to a reasonable equivalent vehicle or refund of the purchase price, less reasonable allowance for depreciation.

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Repair Instructions



1) Solenoid Valve (85107385)
4) Nut (871098) Bolt (848441) Washer (876945)

2) Tubing (987995)
5) Solenoid Valve (20481943)

3) Fitting location (8079336)
6) Wiring Harness (20587366)

Fig. 1: Fifth Wheel Release Solenoid

! DANGER

Before working on a vehicle, set the parking brake, place the transmission in neutral, and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

You must read and understand the precautions and guidelines in Service Information Group 50, "General Safety Practices, Brakes and Air Systems" in your Volvo Service Manual before performing this procedure.

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1. Locate the auxiliary solenoid pack. Two different mounting locations have been used:

On vehicles built before September 2003, the auxiliary solenoid pack is mounted in the right frame rail towards the rear of the transmission. On vehicles built on or after September 2003, the auxiliary solenoid pack is mounted on the ABS ECU mounting bracket on the crossmember to the rear of the transmission. See illustration #1. The repair procedure is the same for both mounting locations.

2. Disconnect the electrical connector from the auxiliary solenoid valve pack.
3. Disconnect the blue air line from the #2 solenoid valve on the auxiliary solenoid valve pack and remove the solenoid valve.
4. Install the new solenoid valve (85107385) using the supplied O-rings.

NOTE: Using a small amount of grease will help keep the O-rings in place during installation of the cover.

5. Attach the new remote solenoid valve (20481943) to the crossmember using the supplied nut (971098), bolt (946411), and washer (976945).
6. Connect one end of the supplied tubing (967995) to the new solenoid valve in the valve pack. After routing the tubing to the remote solenoid valve, cut the tubing to the appropriate length and connect it to the inlet port on the remote solenoid valve.

NOTE: Save the excess tubing for use later in this procedure.

7. Connect the existing air line (blue) to the outlet port on the remote solenoid valve. If the existing air line is not long enough, extend it using the fitting (8079336) and tubing (967995). See illustration #2.

8. Connect the jumper harness between the auxiliary solenoid valve pack and the existing harness. Plug the solenoid valve harness into the jumper.
9. Start the engine and check for air leaks and proper operation of the fifth wheel air release system. Note: Owner may have disconnected air line to fifth wheel. Check air line at fifth wheel to see if connected.

Illustration #1.

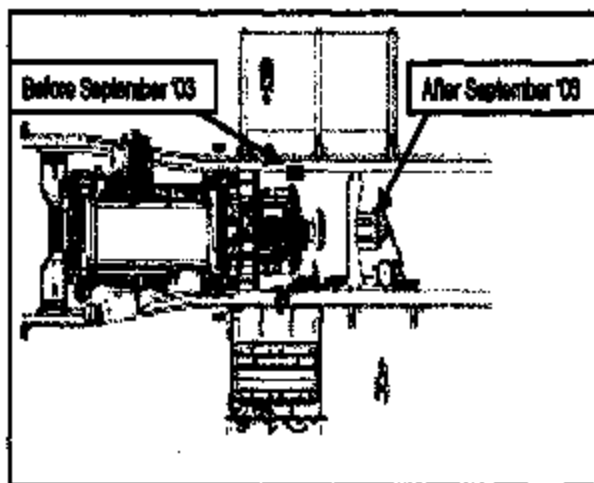
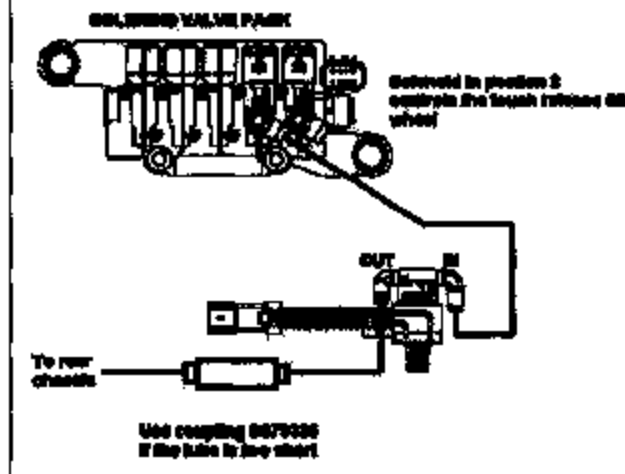


Illustration #2



SAFETY RECALL NOTICE

VOLVO

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OFFICE OF SAFETY RECALL RVXX0403
DEFECTS INVESTIGATION AUGUST 2004

Dear Volvo Truck Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Volvo Trucks North America, Inc. has decided that a defect, which relates to motor vehicle safety exists in certain VN model vehicles built between January 13, 2003 and March 18, 2004.

- SAFETY DEFECT:** A malfunction in the solenoid valve may allow air to be released to the fifth wheel latch.
- POTENTIAL RISK:** This condition could cause the fifth wheel latch to release inadvertently which may result in loss of the trailer.
- PRECAUTION YOU CAN TAKE:** The 3/8 inch air line (the larger of the two airlines going to the fifth wheel) can be disconnected. This will disable the fifth wheel air release function until the vehicle can be repaired. The standard manual fifth wheel latch will still be available to unlatch the trailer. Tape should be applied to the end of the airline to reduce the chance of contaminants being introduced into the air system. Note: This repair should only be done with the trailer disconnected from the truck-tractor.
- REPAIR:** At no charge to you regardless of your vehicle's age or mileage, a Volvo truck dealer will install an additional valve in the pneumatic circuit for the fifth wheel air release (commonly referred to as "Touch-Lock").
- TIME REQUIRED FOR THE REPAIR:** The labor time required to repair your vehicle is about 1 hour.
- WHAT YOU SHOULD DO:** Volvo Trucks North America, Inc. urges you to immediately contact a Volvo truck dealer for a service appointment to have your vehicle repaired. Parts are currently available for shipment to the dealer scheduling your service appointment. To locate the closest Volvo truck dealer you can go on line to www.volvotrucks.us.com and select Dealer Locator.

PRE-NOTIFICATION

If you have previously paid for repairs to the fifth wheel air release system due to this failure, you may be entitled to recovery of those expenses. Submit a copy of all documentation supporting your claim to Volvo Trucks at the address identified in this notice in the section "Assistance".

**NOTICE REGARDING
LEASED VEHICLES:**

If you are a Lessor of vehicles subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessees within 10 days of your receipt of this Notice. Further, you must maintain a record, which identifies the Lessee(s) to whom you send a copy of this letter, the date you send this letter, and the Vehicle Identification Number(s) of the vehicle(s) that you have leased to that Lessee. For purposes of this Notice, the term Lessor means: a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in 49 CFR Section 577.4), as of the date of notification by the manufacturer of the existence of a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**OWNER RECALL
RESPONSE CARD:**

The enclosed "Owner Recall Response Card" identifies your vehicle. Presentation of this card to any authorized full-service Volvo truck dealer will assist in the processing of your vehicle in the shortest time possible. If you do not own, have sold or have traded the vehicle identified, please let us know by completing and signing the postage-paid card and returning it to Volvo Trucks North America, Inc. so we can update our records.

ASSISTANCE:

If your vehicle has not been modified within a reasonable time after delivering it to the dealer on the agreed-upon date, please contact:

Volvo Trucks North America, Inc.
Recall Department
P.O. Box 26115
Greensboro, NC 27402-6115

or call our toll-free number: 1-800-528-6586.

You may also submit a complaint to the Administrator, National Highway Safety Administration, 400 Seventh Street, S.W., Washington DC 20590 or call the toll-free Auto Safety Hot Line at 1-800-424-9393 (Washington DC residents may call 1-202-366-0123).

We regret any inconvenience this recall may cause, but hope you will share in our concern for your safety and satisfaction with your vehicle.

Sincerely,
Volvo Trucks North America, Inc.