

# NISSAN

**NISSAN NORTH AMERICA, INC.**

Corporate Office  
18501 South Figueras St.  
Gardena, California 90248-4500

Mailing Address: P.O. Box 191  
Gardena, California 90248-0191

Telephone: 310.532.3111

November 18, 2002

Mr. Jonathan D. White  
Chief, Recall Analysis Division  
Office of Defects Investigation  
Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Ref: 02V-298, 02V-299, 02V-300

Dear Mr. White:

The enclosed communication is being provided pursuant to 49 CFR Part 573.5(c)(9).

Technical Compliance Department

Encl.

RECEIVED  
2002 NOV 19 A 9:03  
OFFICE OF DEFECTS  
INVESTIGATION

**Nissan Net Broadcast Message - Monday Evening, November 18, 2002**

**Subject: Frontier/Xterra Voluntary Safety Recall Campaigns/Sales Hold**

**Attention - Dealer Principals, Sales, Parts and Service Managers**

**Nissan is announcing 3 Voluntary Safety Recall Campaigns related to Frontier and Xterra vehicles, including some vehicles that may be in your dealer inventory. These vehicles must be placed on sales hold and the applicable campaign repair must be completed prior to retail sale. It is important to note that not all Frontier and Xterra vehicles are affected. Please check Service Comm to determine if a specific vehicle is affected. The 3 campaigns are:**

- 2001-2003 Nissan Frontier and Xterra (6 cylinder/4WD only) Rear Axle**
- 2001 Nissan Frontier and Xterra Fuel Filler**
- 2002 Nissan Frontier and Xterra Supercharger**

**The following is a general overview of each campaign:**

**\*\*\*\*\* Rear Axle Condition/Nissan Action \*\*\*\*\***

**On some 2001-2003 Nissan 4x4 Frontier and 4x4 Xterra vehicles, equipped with a V-6 engine, there is a possibility that water may enter the rear axle housing due to inadequate sealing of the ABS sensor in the axle housing. This may result in corrosion and eventual failure of the wheel bearing. If this occurs, the wheel assembly could separate from the vehicle. The driver may be alerted to a potential issue by the ABS warning light or excessive noise from the rear axle.**

**In order to correct this condition, Nissan is initiating a Voluntary Safety Recall Campaign to inspect and reinstall the rear ABS sensor and to replace rear axle components, as needed, at no charge to the customer for parts or labor. This campaign affects approximately 143,000 Nissan 4x4 Frontier and 4x4 Xterra vehicles, equipped with a V-6 engines, in the United States.**

**\*\*\*\*\* Rear Axle Dealer Inventory \*\*\*\*\***

**Instructions to repair the vehicles in your inventory that are affected by this campaign have been sent via FAX to your dealership. If you do not receive these instructions by 2 PM local time on Wednesday, November 20, please contact the Warranty Claim Call Center and request a copy.**

**An initial supply of ABS Sensor Re-Seal Kits (P/N 47960-9Z725) and at least 1 tube of ThreeBond #1520 Adhesive required to complete the campaign repair have been shipped to your dealership. The ABS Sensor Re-Seal Kits are currently on sales restriction. If additional kits are required, please contact your In-House Parts Rep (IHPR).**

**\*\*\*\*\* Rear Axle Retailed Vehicles \*\*\*\*\***

**Nissan expects to start to notify owners starting in mid-January. The parts required to complete the repair on reetailed vehicles are expected to be available at that time.**

**If you receive a consumer inquiry related to this campaign, and the customer is displaying symptoms related to rear axle noise or ABS sensor indicator lights or looseness in the rear axle, the vehicle should be repaired under current Warranty**

policies and procedures. If the vehicle is outside of the Warranty limits, please contact the Warranty Claim Call Center.

If the vehicle does not display the symptoms listed above, please inform the customer that they will be notified by mail starting in mid-January if their vehicle is affected by the campaign. If the customer has further questions, please refer the customer to Nissan Consumer Affairs Department.

**\*\*\*\*\* Fuel Filler Condition/Nissan Action \*\*\*\*\***

On some 2001 Nissan Frontier and Xterra vehicles there is a possibility that the fuel tank inlet shutter valve may not meet the sealing performance specification. Under certain conditions such as high ambient temperature and when winter grade gasoline is being used, fuel may spill from the filler inlet as the tank is being filled.

In order to correct this condition, Nissan is initiating a Voluntary Safety Recall Campaign to replace the fuel tank inlet shutter valve at no charge to the customer for parts or labor. This campaign affects approximately 43,000 Nissan Frontier and Xterra vehicles in the United States.

**\*\*\*\*\* Fuel Filler Dealer Inventory \*\*\*\*\***

Our records indicate that very few vehicles affected by this campaign remain in dealer inventory (less than 10 nationally). Instructions to repair these vehicles have been sent via FAX to your dealership. If you do not receive these instructions by 2 PM local time on Wednesday, November 20, please contact the Warranty Claim Call Center and request a copy.

A limited supply of parts is available for this repair. The parts are on sales restriction and must be ordered through your In-House Parts Rep (IHPR).

**\*\*\*\*\* Fuel Filler Retailed Vehicles \*\*\*\*\***

Additional parts are expected to become available in late-January, and we will start to notify owners at that time. If you receive a consumer inquiry related to this campaign, and the customer is displaying symptoms related to fuel spill, the vehicle should be repaired under current Warranty policies and procedures. If the vehicle is outside of the Warranty limits, please contact the Warranty Claim Call Center.

If the vehicle does not display the symptom listed above, please inform the customer that they will be notified by mail if their vehicle is affected by the campaign. If the customer has further questions, please refer the customer to Nissan Consumer Affairs Department.

**\*\*\*\*\* Supercharger Condition/Nissan Action \*\*\*\*\***

On some 2002 Nissan Frontiers and Xterras, equipped with superchargers, there is a possibility that under certain conditions, such as full throttle in low gear when the engine is not fully warmed up and at cold ambient temperature, the amount of intake air flow through the air flow meter may exceed the maximum preset diagnosis limit value. This will cause the engine control system to go into the failsafe mode. Under this condition, the malfunction indicator lamp will illuminate and engine speed will not exceed 2400 rpm regardless of the throttle position. When the engine is turned off and restarted, it is no longer in failsafe mode.

In order to correct this condition, Nissan is initiating a Voluntary Safety Recall Campaign to reprogram the Electronic Control Module (ECM) at no charge to the customer for parts or labor. This campaign affects approximately 5,000 Nissan Frontier and Xterra vehicles in the United States.

**\*\*\*\*\* Supercharger Dealer Inventory/Retailed Vehicles \*\*\*\*\***

For vehicles both dealer inventory and retailed vehicles, use Service Comm to check vehicle eligibility. Interim Instructions to repair these vehicles will be sent via FAX to your dealership by Wednesday, November 20. If you do not receive these instructions by 2 PM local time on Friday, November 22, please contact the Warranty Claim Call Center and request a copy. A Recall Campaign Bulletin is being prepared and scheduled for delivery to Nissan dealerships in mid-December. Nissan expects to start to notify owners starting in mid-January.

Your continued support of the safety and customer satisfaction of Nissan Frontier and Xterra owners is appreciated. If you have any questions or need any additional information, please contact your Nissan Dealer Parts and Service Manager (DPSM).

Nissan Parts and Service Operations  
11/18/2002

# NISSAN

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18501 South Figueroa St.  
Gardena, California 90248-4500  
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Telephone: 310.532.3111

November 19, 2002

Mr. Jonathan D. White  
Chief, Recall Analysis Division  
Office of Defects Investigation  
Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Ref: 02V-299, 02V-300

Dear Mr. White:

The enclosed communication is being provided pursuant to 49 CFR Part 573.5(c)(9).

Technical Compliance Department

Encl.

November 18, 2002

**Please copy and distribute immediately**

To: All Nissan Dealer Principals, Sales, Service and Parts Managers

Subject: Vehicle Sales Hold – 2001-2003 Frontier/Xterra 4WD Rear Axle Voluntary Safety Recall Campaign

On some 2001-2003 Nissan 4x4 Frontier and 4x4 Xterra vehicles, equipped with a V-6 engine, there is a possibility that water may enter the rear axle housing due to inadequate sealing of the ABS sensor in the axle housing. This may result in corrosion and eventual failure of the wheel bearing. If this occurs, the wheel assembly could separate from the vehicle. The driver is alerted to a potential issue by the ABS warning light or excessive noise from the rear axle.

In order to correct this condition, Nissan is initiating a Voluntary Safety Recall Campaign to inspect and reinstall the rear ABS sensor and to replace rear axle components, as needed, at no charge to the customer for parts or labor. This campaign affects approximately 143,000 Nissan 4x4 Frontier and 4x4 Xterra vehicles, equipped with a V-6 engines, in the United States.

Use the attached repair instructions to repair the vehicles in your inventory that are subject to this campaign. Use Service Comm to confirm campaign (R2019) eligibility.

An initial supply of ABS Sensor Re-Seal Kits (P/N 47960-9Z725) and at least 1 tube of ThreeBond #1520 Adhesive required to complete the campaign repair have been shipped to your dealership. The ABS Sensor Re-Seal Kits are currently on sales restriction. If additional kits are required, please contact your In-House Parts Rep (IHPR).

Thank you in advance for your support of this important action.

Nissan Parts and Service Operations  
Attachments

# PRELIMINARY SERVICE INFORMATION

## REAR ABS SENSOR SEALS

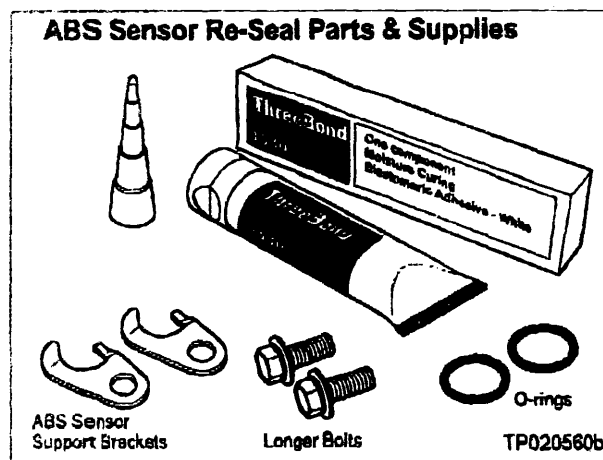
**APPLIED VEHICLES:** 2001-03 Frontier (D22), V6 engine, 4WD ONLY  
2001-03 Xterra (WD22), V6 engine, 4WD ONLY

**APPLIED VINS:** Verify VIN in Service Comm

**NOTE:** This service information/procedure ONLY applies to vehicles in Dealer inventory.

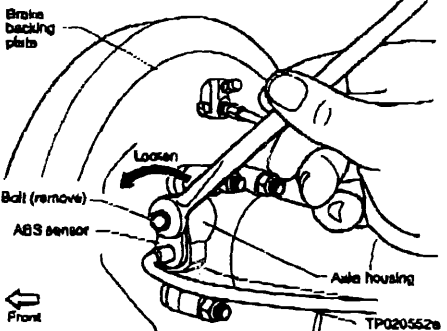
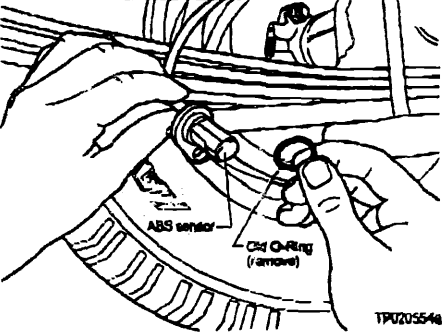
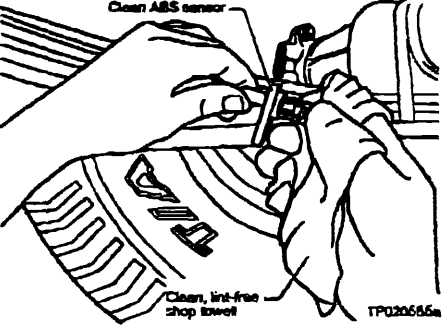
### SERVICE INFORMATION

Refer to the Service Procedure (page 2) to replace the rear ABS sensor seals.



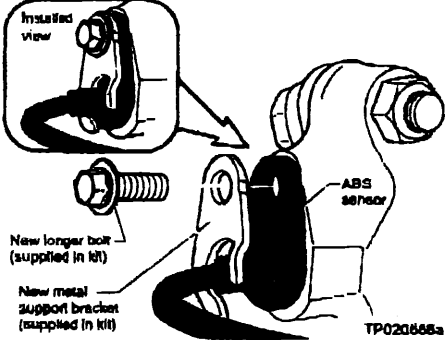
## SERVICE PROCEDURE

**NOTE:** Perform this Service Procedure on one ABS sensor at a time.

STEP	INSTRUCTION	NEXT	ILLUSTRATION
1	<ul style="list-style-type: none"> <li>• Confirm the VIN in Service Comm.</li> <li>• Remove one bolt and remove the ABS sensor from the axle housing by carefully rotating it by hand to loosen it (see Figure 1). If it is still too tight, carefully rotate it with a 22 mm open-end wrench.</li> </ul> <p><b>CAUTION:</b> Do NOT pull on the sensor by the wire.</p>	GO TO STEP 2	 <p>Figure 1</p>
2	<ul style="list-style-type: none"> <li>• Remove the <u>old</u> O-ring from the ABS sensor (see Figure 2).</li> </ul> <p><b>NOTE:</b> Some vehicles may have white sealant. Carefully remove all traces of the sealant from the sensor and the hole in the axle.</p>	GO TO STEP 3	 <p>Figure 2</p>
3	<ul style="list-style-type: none"> <li>• Use a clean, lint-free shop towel and Nissan Brake Cleaner to thoroughly clean the ABS sensor (see Figure 3), especially around the o-ring sealing surface (flange).</li> </ul>	GO TO STEP 4	 <p>Figure 3</p>



<p>4</p>	<ul style="list-style-type: none"> <li>Use a clean, lint-free shop towel and Nissan Brake Cleaner to thoroughly clean the ABS sensor mounting hole (see Figure 4).</li> </ul>	<p><b>GO TO STEP 5</b></p>	<p>Figure 4</p>
<p>5</p>	<ul style="list-style-type: none"> <li>Install the <u>new</u> O-ring (obtained from the kit) onto the ABS sensor so that it is fully seated against the flange portion of the sensor (see Figure 5).</li> </ul>	<p><b>GO TO STEP 6</b></p>	<p>Figure 5</p>
<p>6</p>	<ul style="list-style-type: none"> <li>Apply a 1/8" bead of "ThreeBond" (#1530) sealant all the way around the ABS sensor o-ring as shown in Figure 6.</li> </ul>	<p><b>GO TO STEP 7</b></p>	<p>Figure 6</p>
<p>7</p>	<ul style="list-style-type: none"> <li>Re-insert the ABS sensor into its mounting hole making sure it is fully seated against the axle's mating surface (see Figure 7).</li> </ul>	<p><b>GO TO STEP 8</b></p>	<p>Figure 7</p>

<p>8</p>	<ul style="list-style-type: none"> <li>• Install the <u>new</u> ABS sensor support bracket (obtained from the kit) using the <u>new longer bolt</u> (obtained from the kit). See Figure 8.</li> </ul> <p><b>IMPORTANT:</b> You <b>MUST</b> use the <u>new longer bolt</u> when installing the sensor.</p> <ul style="list-style-type: none"> <li>• Tighten the new bolt to 13 – 17 ft-lbs.</li> </ul>	<p><b>GO TO STEP 9</b></p>	 <p><b>Figure 8</b></p>
<p>9</p>	<ul style="list-style-type: none"> <li>• Perform steps 1 through 8 on the other ABS sensor (other end of the axle housing).</li> </ul>	<p><b>GO TO STEP 10</b></p>	
<p>10</p>	<ul style="list-style-type: none"> <li>• Road test the vehicle by driving 15 – 20 MPH continuously for 2 minutes.</li> </ul> <p><b>IMPORTANT:</b> Confirm the ABS warning lamp goes out in normal operation.</p>	<p><b>END</b></p>	

**PARTS INFORMATION**

DESCRIPTION	PART NUMBER	QUANTITY
ABS Sensor Re-seal Kit	47960-9Z725	1
Three Bond #1530 Adhesive	11121-7Z705P	As Needed (A)
Genuine Nissan Brake Cleaner	Various	As Needed (B)

(A) This Part Number is available through the Nissan Chemical Direct Ship Program which can be reached by:

- Phone; 1 (800) 811-0502
- Fax; 1 (905) 389-8279
- Internet; [www.nissanchemicals.com](http://www.nissanchemicals.com)

Do NOT submit a claim for this adhesive – one tube is sufficient for approx. 200 vehicles. It is considered a shop supply item.

(B) Do not submit a claim for this cleaner. Nissan-approved Brake Cleaner is considered a shop supply.

**CLAIMS INFORMATION**

Submit a "Campaign" (CM) line claim using the following claims coding information:

Campaign I.D.: R2019

DESCRIPTION	OP CODE	FRT
Remove/Install RH & LH ABS Sensors	R20190	0.7 hr

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January 8, 2003

Mr. George Person  
Chief, Recall Analysis Division  
Office of Defects Investigation  
Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Ref: 02V-299

Dear Mr. Person:

The enclosed communication is being provided pursuant to 49 CFR Part 573.5(c)(9).

Technical Compliance Department

Encl.

OFFICE OF DEFECTS  
INVESTIGATION

2003 JAN -9 A 1:34

RECEIVED

**Nissan Net Broadcast Message - Wednesday Evening, January 8, 2003**

**Subject: 2001-03 Frontier/Xterra Rear ABS Sensors/Rear Axle Housing Voluntary Safety Recall Campaign**

**Attention - Dealer Principals, Sales, Parts and Service Managers**

**The following is an update to the 2001-03 Frontier/Xterra Rear ABS Sensors/Rear Axle Housing Voluntary Safety Recall Campaign**

**\*\*\*\*\* Rear Axle Condition/Nissan Action \*\*\*\*\***

On some 2001-2003 Nissan 4x4 Frontier and 4x4 Xterra vehicles there is a possibility that water may enter the rear axle housing due to inadequate sealing of the ABS sensor in the axle housing. This may result in corrosion and eventual failure of the wheel bearing. If this occurs, the wheel assembly could separate from the vehicle. The driver may be alerted to a potential issue by the ABS warning light or excessive noise from the rear axle.

In order to correct this condition, Nissan is initiating a Voluntary Safety Recall Campaign to inspect and reinstall the rear ABS sensor and to replace rear axle components, as needed, at no charge to the customer for parts or labor. This campaign affects approximately 143,500 Nissan 4x4 Frontier and 4x4 Xterra vehicles in the United States.

**\*\*\*\*\* Vehicles in Dealer Inventory \*\*\*\*\***

Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration (NHTSA). While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Use Service Comm to confirm campaign eligibility (R2019) for every 2001-03 Frontier 4x4 and every 2001-03 Xterra 4x4 vehicle that enters your dealership for any reason. This includes vehicles purchased from private parties or presented by transient (tourist) owners.

**\*\*\*\*\* Technical Procedures \*\*\*\*\***

Ten (10) copies of Recall Campaign Bulletin NTB02-127 2001-03 Frontier/Xterra Rear ABS Sensors/Rear Axle Housing Voluntary Safety Recall Campaign are being sent to your service manager. The bulletin addresses the specific inspection and repair procedures, parts requirements, special tool requirements and related Warranty Claim information.

**\*\*\*\*\* Parts Availability \*\*\*\*\***

Initial supplies of kits (P/N 47960-9Z725 Kit A, P/N 43252-0W025 Kit B, and P/N 43210-VE025 Kit C) required to repair vehicles affected by this campaign are being shipped to your dealership. You can expect to receive the kits by Monday, January 13. The kits will remain on sales restriction until further notice. If additional kits are required, please contact your In House Parts Rep.

**\*\*\*\*\* Special Tools \*\*\*\*\***

There are three (3) levels of repair that may be required based upon inspection of the vehicle. Some of these repairs will require special tools. The tools are specifically identified in the Recall Campaign Bulletin and a Rear Axle Bearing Installation Kit (J-46215) is being shipped to your dealership free of charge. You may check the status of the shipment to your dealership by contacting Tech-Mate at 1-800-662-2001.

If you do not already have a Rear Axle Bearing Remover Tool (J-45073), which is an essential tool, you will need to order one from Tech-Mate (1-800-662-2001).

**\*\*\*\*\* Customer Notification Process \*\*\*\*\***

Nissan will start to notify affected Frontier and Xterra owners on January 13, 2003. Upon receipt of the customer notification letter, customers will be requested to contact their servicing Nissan dealer to set up a service appointment and have the campaign repair completed.

Your continued support of the safety and customer satisfaction of Nissan Frontier and Xterra owners is appreciated. If you have any questions or need any additional information, please contact your Nissan Dealer Parts and Service Manager (DPSM).

Nissan Parts and Service Operations  
01/08/2003

# NISSAN

**NISSAN NORTH AMERICA, INC.**

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18501 South Figueroa St.  
Gardena, California 90248-4500  
Mailing Address: P.O. Box 191  
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Telephone: 310.532.3111

February 6, 2003

Mr. George Person  
Chief, Recall Analysis Division  
Office of Defects Investigation  
Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Ref: 02V-299

Dear Mr. Person:

The enclosed communication is being provided pursuant to 49 CFR Part 573.5(c)(9).

Technical Compliance Department

Encl.

RECEIVED

2003 FEB -6 A 11:01

OFFICE OF DEFECTS  
INVESTIGATION

**Nissan Net Broadcast Message - Wednesday Evening, February 5, 2003**

**Subject: 2001-03 Frontier/Xterra Rear ABS Sensors/Rear Axle Housing Voluntary Safety Recall Campaign; 2003 Frontier Spare Wheel Voluntary Safety Recall Campaign**

**Attention - Parts and Service Managers**

**The following is an update to the 2001-03 Frontier/Xterra Rear ABS Sensors/Rear Axle Housing Voluntary Safety Recall Campaign and the 2003 Frontier Spare Wheel Voluntary Safety Recall Campaign**

**\*\*\*\*\* Parts Sales Restriction Lifted \*\*\*\*\***

**The Parts Sales Restriction currently in effect for the following campaigns is now lifted and the specified parts can now be ordered through the normal parts ordering process.**

**\*\*\*\*\* Frontier/Xterra Rear ABS Sensor/Rear Axle Housing Campaign \*\*\*\*\***

**P/N 47960-9Z725 REPAIR KIT-SENSOR BRACKET (Kit A)  
P/N 43252-0W025 REPAIR KIT-OIL SEAL (Kit B)  
P/N 43210-VE025 REPAIR KIT-BEARING (Kit C)**

**\*\*\*\*\* Frontier Spare Wheel Campaign \*\*\*\*\***

**P/N 40300-7B470 WHEEL, SPARE  
P/N 40311-60Y00 VALVE STEM**

**Your continued support of the safety and customer satisfaction of Nissan Frontier and Xterra owners is appreciated. If you have any questions or need any additional information, please contact your Nissan Dealer Parts and Service Manager (DPSM).**

**Nissan Parts and Service Operations  
02/05/2003**