



NISSAN DIESEL AMERICA, INC. RECALL BULLETIN

DATE: JULY 31, 2000
 MODEL YEAR: 1999 AND 2000
 MODELS AFFECTED: UD1200/UD1400
 BULLETIN #: SC - 156
 FILE AT THE END OF THE STEERING SECTION OF THE TECHNICAL BULLETIN BINDER

VOLUNTARY SAFETY RECALL CAMPAIGN #00V - 156:
1999 AND 2000 MODEL YEAR UD1200 AND UD1400 MODEL VEHICLES STEERING GEAR BOX FASTENER
TORQUE INSPECTION AND REPLACEMENT

MODELS AFFECTED

All 1999 and 2000 model year UD1200 and UD1400 model vehicles produced between March, 1998 and March, 2000. Each dealer will receive a computer listing of affected vehicle identification numbers either in unsold inventory or retail delivered to customers by the dealer. The applicable vehicles, grouped by model year, vehicle model and wheelbase length, involved in this safety recall are as follows:

1999 MODEL YEAR VEHICLES:		
MODEL	WHEELBASE	VIN RANGE
UD1200	<u>3</u>	JNAUXV1J1XA <u>3</u> 00101 to JNAUXV1J8XG <u>3</u> 00235
	<u>4</u>	JNAUXV1J1XA <u>4</u> 00101 to JNAUXV1J2XG <u>4</u> 00616
	<u>5</u>	JNAUXV1J5XA <u>5</u> 00101 to JNAUXV1J8XG <u>5</u> 00316
UD1400	<u>3</u>	JNAUZV1J4XA <u>3</u> 50101 to JNAUZV1JXXG <u>3</u> 50171
	<u>4</u>	JNAUZV1J3XA <u>4</u> 50101 to JNAUZV1J9XG <u>4</u> 50486
	<u>5</u>	JNAUZV1JXXA <u>5</u> 50101 to JNAUZV1J5XG <u>5</u> 50312
2000 MODEL YEAR VEHICLES:		
MODEL	WHEELBASE	VIN RANGE
UD1200	<u>3</u>	JNAUXV1J5YG <u>3</u> 01001 to JNAUXV1J8YA <u>3</u> 01058
	<u>4</u>	JNAUXV1J1YG <u>4</u> 01001 to JNAUXV1J7YA <u>4</u> 01376
	<u>5</u>	JNAUXV1J8YG <u>5</u> 01001 to JNAUXV1J4YA <u>5</u> 01189
UD1400	<u>3</u>	JNAUZV1JXYG <u>3</u> 51001 to JNAUZV1J6YA <u>3</u> 51130
	<u>4</u>	JNAUZV1J6YG <u>4</u> 51001 to JNAUZV1J1YA <u>4</u> 51555
	<u>5</u>	JNAUZV1J2YG <u>5</u> 51001 to JNAUZV1J1YA <u>5</u> 51218

DESCRIPTION

The possibility exists that the steering gear box may come loose from its attached position on the frame during normal vehicle operation. During the vehicle manufacturing process, residual welding material may have accumulated in the threads of the steering gear box rear mounting nuts welded to the inside of the frame rail. This residual welding material may have resulted in obtaining less than specified torque on the steering gear box rear mounting bolts during vehicle assembly. With less than specified torque on the two rear mounting bolts, the steering gear box may come loose from its attached position on the frame during normal vehicle operation.

The repairs to correct this condition consist of removing the front bumper and the driver's side bumper mounting bracket to inspect the torque of the steering gearbox front stud mounting nuts. The two rear mounting bolts will be removed, inspected for thread damage and replaced with new bolts. If thread damage has occurred to either of the two rear mounting bolts, or if the bolts will not accept specified torque, then the two mounting nuts welded to the inside of the frame rail will be removed and new rear mounting fasteners (nuts, bolts and washers) will be installed.

The National Highway Traffic Safety Administration has assigned the identification number 00V-156 to this Safety Recall. This number must appear on all communications and documentation of any nature related to the campaign described in this bulletin.

ADMINISTRATION / DEALER RESPONSIBILITY

Proceed immediately to make the necessary repairs to the affected vehicles in unsold dealer inventory. All new and used inventory vehicles subject to this recall must be corrected prior to sale, transfer or delivery. Each dealer will receive a computer listing of all affected vehicle identification numbers in either unsold inventory or retail delivered to customers. With this computer listing, the dealer will receive an "Authorization For Recall Notification Service" card for all unsold or undelivered inventory vehicles. This postage prepaid card must be filled out correctly and returned to the address on the card indicating whether the vehicle was repaired, transferred, sold, etc. (refer to the UD Warranty Policies & Procedures Manual, Part III, Section 1). For vehicles without an "Authorization for Recall Service" card, check the vehicle identification number with the Vehicle Service Notification screen of the NDANET2 Warranty Claim System menu to verify that it requires the safety recall.

PARTS INFORMATION

The parts required to complete the repairs as described in this Safety Recall are available immediately for UD Dealers to order through the NDA Parts Operation Department. Use the attached computer listing to order sufficient quantities of bolts (two each, part number 08044 - 2401A) for each assigned vehicle.

NDA estimates that approximately one percent (1%) of involved vehicles will require the replacement of the nuts and washers. *Therefore, it is recommended that each dealer order and maintain a stocking level of at least two nuts and two washers to have on hand for use as necessary.* **

NOTE: **Only the following part numbers can be used in this Safety Recall. Do not use substitute parts from any other source!**

PART NUMBER	DESCRIPTION	QTY.	APPLICATION
08044 - 2401A	BOLT	2	2 EA. REQUIRED PER VEHICLE
08912 - 9422A	NUT	2	** AT LEAST 2 PER DEALERSHIP
01311 - 00801	WASHER	2	** AT LEAST 2 PER DEALERSHIP

SERVICE INFORMATION

Safety Recall SC - 156 is a multi-step procedure in which all steps must be completed during the same service appointment. Before servicing the vehicle, **read the entire set of instructions first.** Observe the following safety precautions to prevent personal injury, damage to property, or both:

- Park the vehicle on a flat surface, place the transmission in NEUTRAL (or PARK for automatic transmissions), set the parking brake and chock the wheels.
- Turn the engine off and allow it to cool before servicing.

1. Some vehicles may have been repaired at one of the port facilities, indicated by the label placed on the inside of the driver's door above the latch as shown below.

THE LABEL INDICATES THAT THE VEHICLE HAS BEEN PREVIOUSLY REPAIRED.

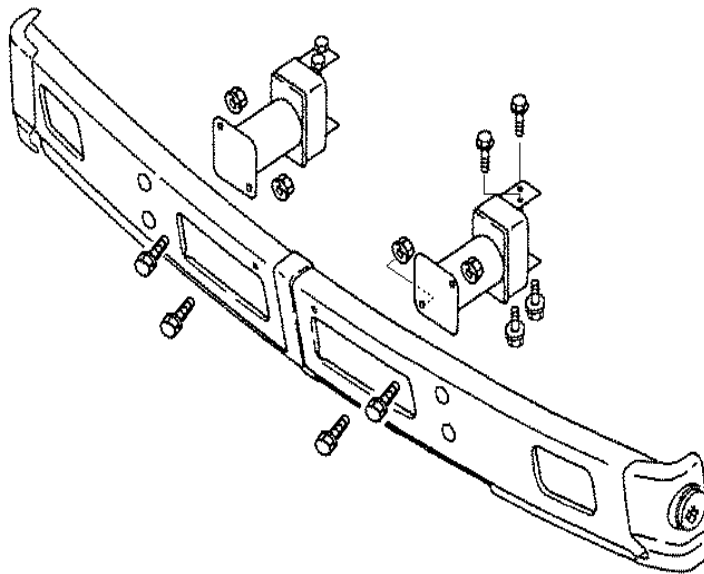


a. If the involved vehicle has the label on the inside of the driver's door as shown above, the recall has already been performed and no further action is required.

b. If the involved vehicle *does not have* the label on the inside of the driver's door, verify through the Vehicle Service Notification screen of the NDANET2 system that the recall is required. Complete the safety recall, if the vehicle requires it, according to the following instructions.

2. Using 14 mm sockets and wrenches, remove the four bumper mounting bolts and nuts, as shown below, and remove the bumper. Save all pieces for reinstallation.

REMOVE BUMPER MOUNTING BOLTS AND NUTS (4 EACH)



REMOVE DRIVER'S SIDE BUMPER MOUNTING BRACKET (4 BOLTS)

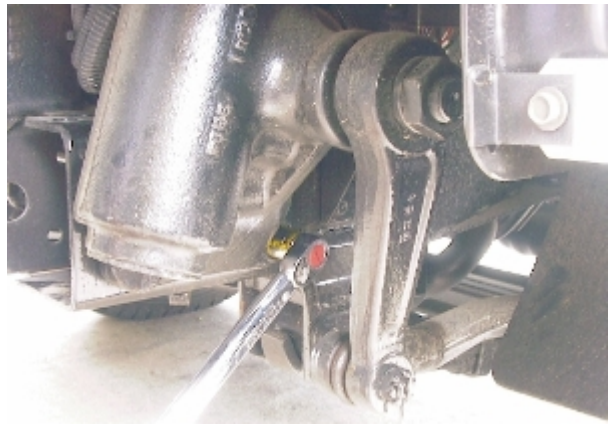
3. Using a 14 mm socket, remove the four mounting bolts (two on the top and two on the bottom) from the driver's side bumper mounting bracket as shown below. Remove the bumper mounting bracket from the frame. Save all pieces for reinstallation.

**DRIVER'S SIDE BUMPER
MOUNTING BRACKET
(SHOWN WITH BUMPER REMOVED)**



4. Using a 19 mm socket, remove the two rear mounting bolts, as shown below, and inspect the bolt threads for damage such as crossed or stripped threads.

**REMOVE THE TWO REAR MOUNTING BOLTS
AND INSPECT BOLT THREADS FOR DAMAGE**



a. If ***no thread damage*** is present on either bolt, discard both bolts and replace them with new bolts using part number 08044-2401A. Tighten both bolts to 69 ft-lb (93 N-m) torque*. If full torque was obtained on both bolts, proceed directly to [Step 7](#).

***NOTE: If *full torque cannot be obtained* on either bolt, discard both bolts and proceed directly to Step 5.**

b. If thread damage is present on either bolt, discard both bolts and proceed directly to Step 5.

5. Remove the two rear mounting nuts welded to the inside of the frame rail by either of the two following methods:

a. Place the blade of an air-driven chisel, or strike a cold chisel with a heavy hammer, against the welded nut. Ensure that the chisel blade is as flush against the inside of the frame rail as possible to prevent impact damage to the inside of the frame and to ensure a clean and complete separation of the welded nut from the frame.

b. Partially thread the removed bolt into the nut approximately two turns and strike the head of the bolt with a heavy hammer to break the welded nut loose from the frame.

NOTE: Always use safety goggles and observe all other applicable safety precautions when striking an object with a heavy hammer.

ACCESS TO REAR MOUNTING NUTS WELDED TO INSIDE OF FRAME RAIL THROUGH HOLE IN FRAME

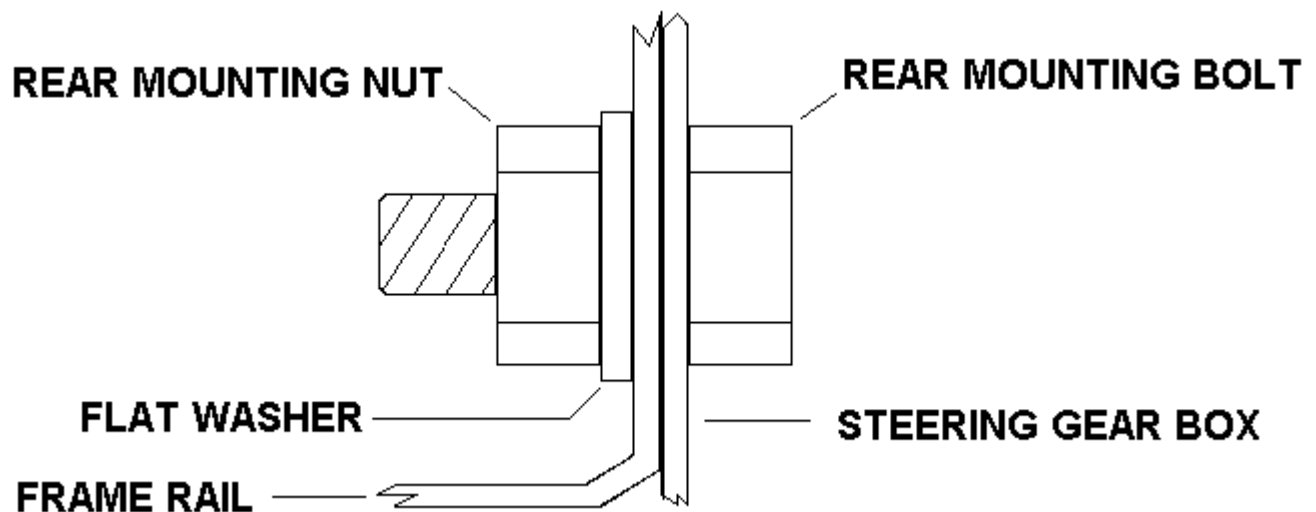
AIR-DRIVEN CHISEL (OR EQUIVALENT) TO REMOVE REAR MOUNTING NUTS



TIGHTEN STEERING GEAR BOX FRONT STUD MOUNTING NUTS

NOTE: Ensure that the inside frame rail surface is free from chisel impact damage and left-over welding material before proceeding.

6. Install new bolts, nuts and flat washers in the rear mounting location as shown below. Using a 19 mm socket and torque wrench, tighten the bolts to 69 ft-lb (93 N·m) torque.



7. Using a 19 mm socket and torque wrench, tighten the steering gear box front stud mounting nuts, as shown in the diagram for Step 6 above, to 69 ft-lb (93 N·m) torque.

8. Reinstall the driver's side bumper mounting bracket into the frame and loosely install the four bolts. Beginning with the two bottom bolts first, tighten to 32 ft-lb (43 N·m) torque, then tighten the two upper bolts to 32 ft-lb (43 N·m) torque.

9. Reinstall the bumper and tighten all bolts to 32 ft-lb (43 N·m) torque.

10. Write the date of completion on the pre-printed label and place it on the inside of the driver's door above the latch, [as previously illustrated in Step 1](#), to indicate that Safety Recall 00V - 156 has been performed.

WARRANTY REIMBURSEMENT INFORMATION

Expenses for the repairs described in this Recall Bulletin are to be recovered through the standard UD Warranty Claim Procedures as listed in the UD Warranty Policies & Procedures Manual, PART III and PART V. Please mail the "Authorization for Recall Notification Service" card to Nissan Diesel America, Inc. when the warranty claim is submitted. Use the following special information to prepare your warranty claims:

WARRANTY CODE:	K543 *	
REPAIR DESCRIPTION:	PERFORM SAFETY RECALL CAMPAIGN # 00V - 156	
LABOR OP. NUMBER:	440A	
LABOR TIME ALLOWED: (CHOOSE APPLICABLE TIME FOR REPAIRS PERFORMED)	INSPECT AND REPLACE REAR MOUNTING BOLTS, CHECK TORQUE ON FRONT MOUNTING STUD NUTS	0.5 HRS
	INSPECT REAR MOUNTING BOLTS, INSTALL REAR MOUNTING FASTENERS AND CHECK TORQUE ON FRONT MOUNTING STUD NUTS	1.0 HRS

***NOTE:** When the Warranty Code is entered, the NDANET2 Warranty Claim system will automatically enter the Warranty Trouble Code and the Failed Part Number into the claim.