



RECALL CAMPAIGN BULLETIN

Reference:

NTB12-080a

Date:

October 17, 2012

VOLUNTARY SAFETY RECALL CAMPAIGN 2012 PATHFINDER, FRONTIER, XTERRA FRONT WHEEL HUBS

This bulletin has been amended to add the NHTSA # and the Owner's Letter. No other changes have been made. Please discard previous versions of this bulletin.

CAMPAIGN ID #: PC188
NHTSA #: 12V-462
APPLIED VEHICLES: 2012 Pathfinder (R51)
 2012 Frontier (D40) } 2WD models only
 2012 Xterra (N50)

INTRODUCTION

Certain specific model year 2012 vehicles may have front wheel hubs that do not meet design hardness specifications. To remedy this issue, Nissan is conducting a voluntary safety recall campaign to replace both front Wheel Hub and Bearing Assemblies at no charge for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC188 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this voluntary safety recall campaign which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's 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.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

NOTE:

- The photos used in this procedure are of the right side (passenger side). The left side (driver side) is a mirror image.
- Perform this procedure for both sides.

1. Raise vehicle and remove both front wheels.



Figure 1

2. Unbolt the brake caliper assembly.

- 2 bolts shown in Figure 2.
- **Do not** remove the hydraulic lines or open the hydraulic system.

3. Remove the brake caliper assembly from the torque member and position it out of the way.

- Use a suitable support (wire or elastic strap) to secure the caliper assembly.
- **Do not** allow the brake caliper to hang by the hydraulic line.

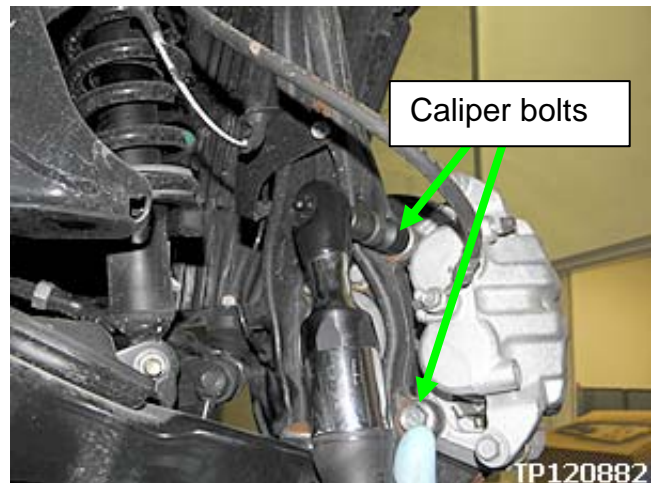


Figure 2

4. Remove the brake rotor.

5. Remove the wheel speed sensor as follows.
- Remove the 5 mm Allen bolt.
 - Remove the sensor from the hub.
 - Pass the sensor through the splash guard.
 - Position the sensor out of the way.

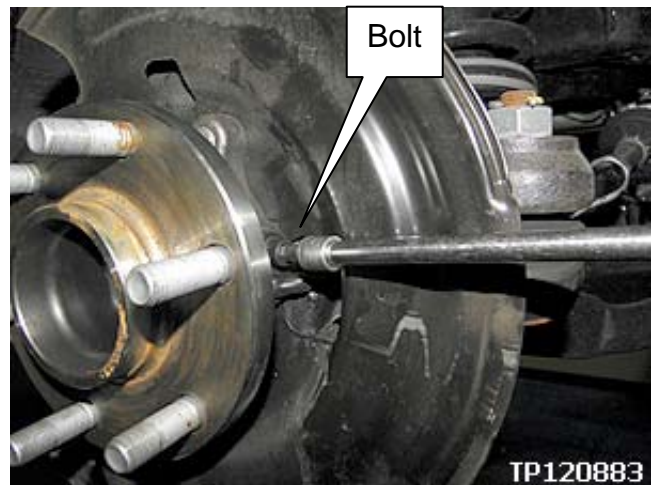


Figure 3

NOTE:

- In the next step you will remove 4 bolts.
- When these bolts are removed the wheel hub & bearing assembly and the splash guard will be loose and may fall.
- **Be Careful**; do not drop the wheel hub and/or splash guard.
- If the splash guard is dropped, it may bend.

6. Remove the 4 bolts shown in Figure 4.

- These are the attachment bolts for the wheel hub and bearing assembly to the steering knuckle.
- **Do not** reuse these bolts.

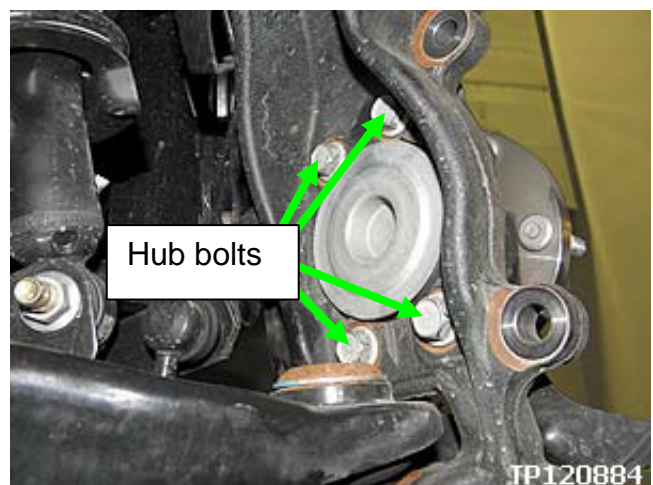


Figure 4

7. Carefully remove the wheel hub and bearing assembly.

- Do not drop the splash guard.



Figure 5

New Wheel Hub and Bearing Assembly Installation

8. Make sure the wheel speed sensor opening on the splash guard is aligned correctly.



Figure 6

9. Install the new wheel hub and bearing assembly.

- Use the new wheel hub and bearing assembly listed in the Parts Information.
- Use the **new bolts** listed in the Parts Information.
- Torque bolts to:
60 N•m (6.1 kg-m, **44 ft-lbs**)

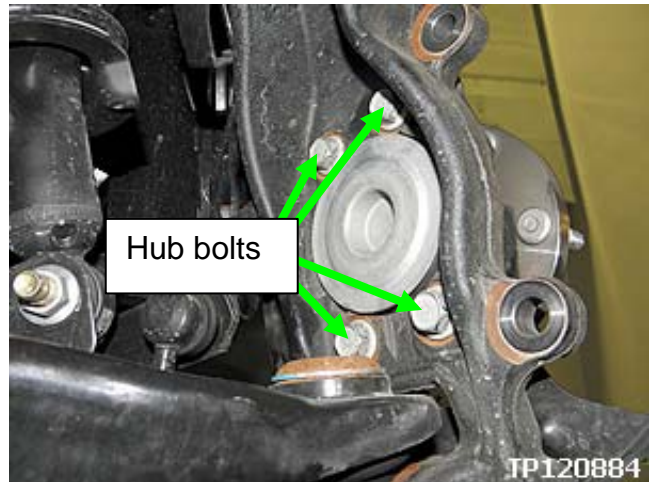


Figure 7

10. Reinstall the wheel speed sensor.

- Torque bolt to:
17.5 N•m (1.8 kg-m, **13 ft-lb**)

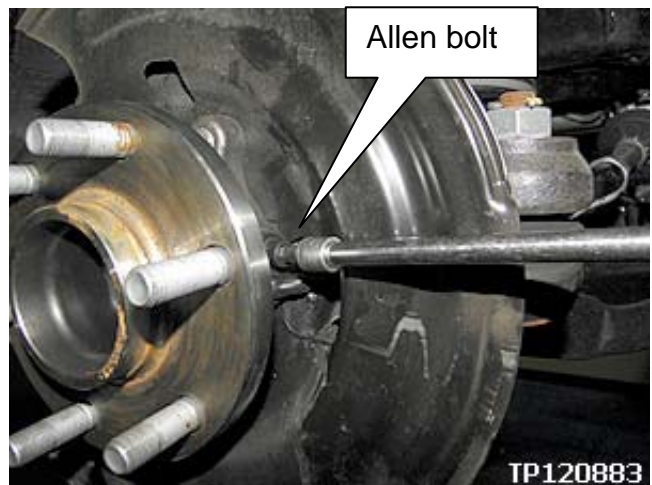


Figure 8

11. Reinstall the brake rotor.

12. Reinstall the brake caliper assembly.

- Torque bolts to:
185 N•m (19 kg-m, **136 ft-lb**)

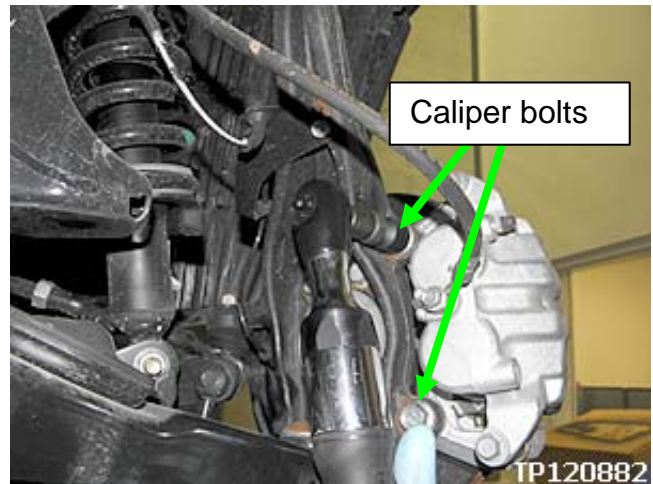


Figure 9

13. Render the old wheel hub and bearing assembly unusable by damaging the threads in the mounting bolt holes.

14. Make sure to perform this procedure for both the left and right side front wheel hub and bearing assembly.

15. Reinstall the front wheels.

- Tighten lug nuts in a star patten.
- Tighten lug nuts in two or three steps.
- Torque lug nuts to 133 N•m(14 kg-m, **98 ft-lb**).

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Hub-Assy Road Wheel (Wheel Hub and Bearing Assembly)	40202-4X00A	2
Bolt, Flange Hexagon (Hub Bolt)	081B4-2355M	8

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
PC188	Replace Both Wheel Hub and Bearing Assemblies	PC1880	0.9 hrs.

OWNER'S LETTER (example of typical owner's letter)

Dear Nissan Frontier Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Nissan has decided that a defect which relates to motor vehicle safety exists in certain specific two-wheel drive 2012 model year Nissan Frontier vehicles. Our records indicate that you own or lease the Nissan vehicle identified by the VIN on the inside of this notice.

Reason for Recall

The subject Frontier vehicles may have been equipped with out-of-specification front wheel hubs. This can cause the wheel hub to wear prematurely and eventually crack. If the vehicle continues to be driven in this condition, the wheel hub may break and the driver may experience difficulty controlling the direction of the vehicle, which could increase a risk of a crash.

What Nissan Will Do

Your Nissan dealer will replace the left and right side front wheel hub assemblies free of charge. This service should take about 1 ½ hours to complete, but your Nissan dealer may require your vehicle for a longer period of time based upon their work schedule.

What You Should Do

Contact your Nissan dealer at your earliest convenience in order to arrange an appointment to have your vehicle repaired. **If you hear a loud noise or feel vibration coming from the front wheel area, please bring your vehicle into the dealer as soon as possible.**

Please bring this notice with you when you keep your service appointment. Instructions have been sent to your Nissan dealer.

If you have additional questions you may contact the National Consumer Affairs Department, Nissan North America, Inc., P.O. Box 685003, Franklin, TN 37068-5003. The toll free number is 1-800-NISSAN1 (1-800-647-7261). You may also submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Thank you for your cooperation. We are indeed sorry for any inconvenience this may cause you.