



RECALL CAMPAIGN BULLETIN

Reference:

NTB09-086

Date:

October 6, 2009

VOLUNTARY SAFETY RECALL CAMPAIGN 2009 – 2010 ALTIMA AND MAXIMA FRONT STRUT MOUNTING INSULATOR

CAMPAIGN ID #: PC012

NHTSA #: 09V-358

APPLIED VEHICLES: 2009 – 2010 Maxima (A35)

2009 – 2010 Altima (L32, CL32 & L32HV) Sedan, Coupe, & Hybrid

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Some specific model year 2009 – 2010 Altima and Maxima vehicles may have been built with front strut mounting insulators that were not manufactured to specification. The strut mounting insulators on these specific vehicles may crack. To remedy this potential condition Nissan is conducting this voluntary safety recall campaign to replace the strut mounting insulators with new ones at no charge for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC012 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 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.

SERVICE PROCEDURE

NOTE:

- Replace both front strut insulators.
- The photos in this procedure are for the driver side, the passenger side is similar.

1. If equipped; remove the strut covers (see Figure 1).

- Driver side has 2 clips.
- Passenger side has one clip.



Figure 1

2. Remove the front wheels.



Figure 2

3. Remove the brake hose clip and brake hose from the strut bracket (see Figure 3).
4. Remove the ABS sensor harness from the strut brackets – 2 spots (see Figure 3).
5. Remove the sway bar end link nut (see Figure 3).
 - IMPORTANT: Hold the link with a wrench on the opposite side to prevent damage to the end link joint.
 - Keep the nut; it will be reused during reassembly.
6. Loosen—do not remove—both strut to knuckle nuts (see Figure 3).
 - IMPORTANT: Do not fully remove nuts at this time.

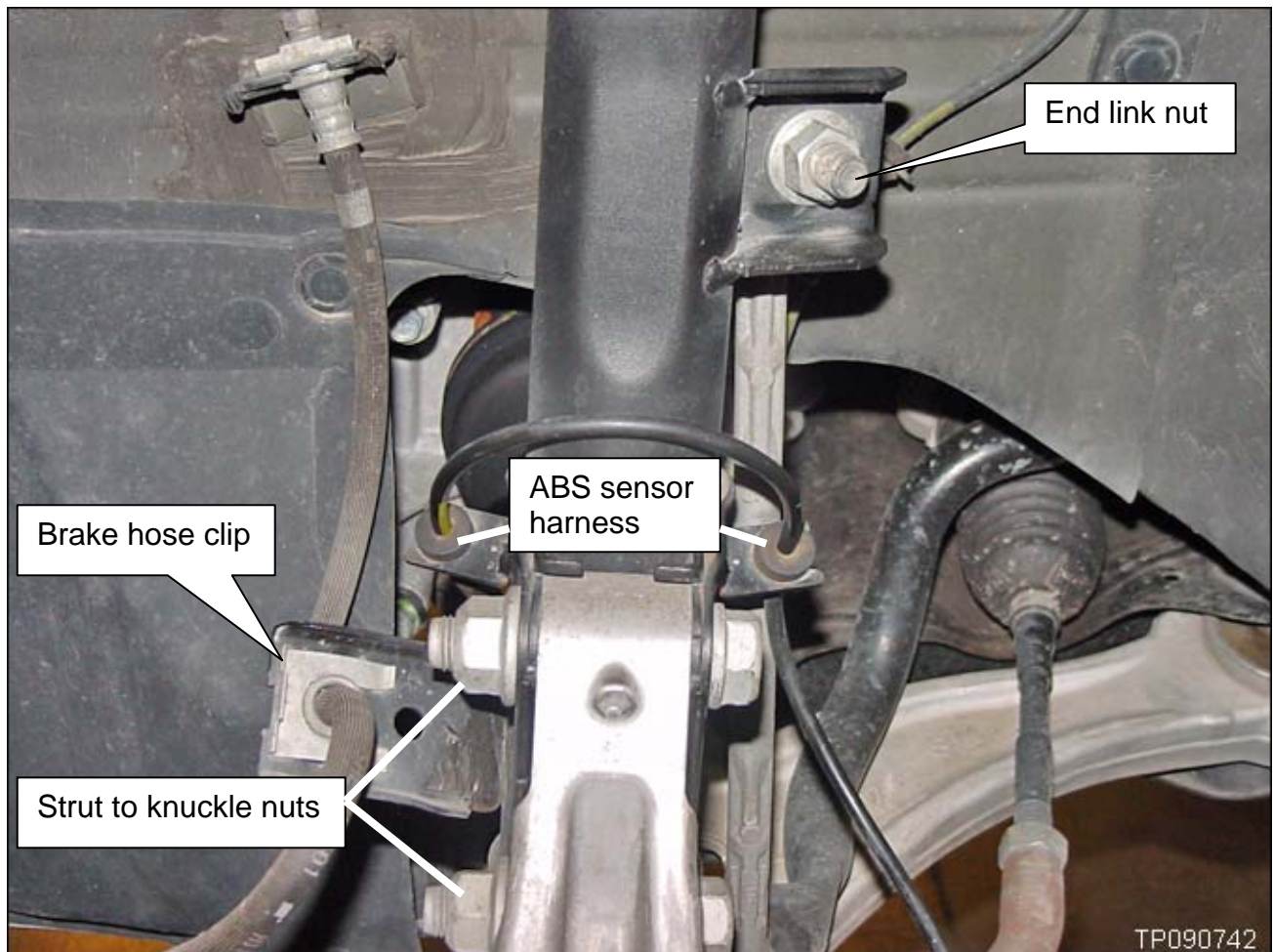


Figure 3

7. Remove the 3 upper strut mounting bolts.
 - Keep the bolts; they will be reused during reassembly.



Figure 4

8. Remove the strut to knuckle nuts & bolts.
 - Discard the nuts; new nuts will be used during reassembly.

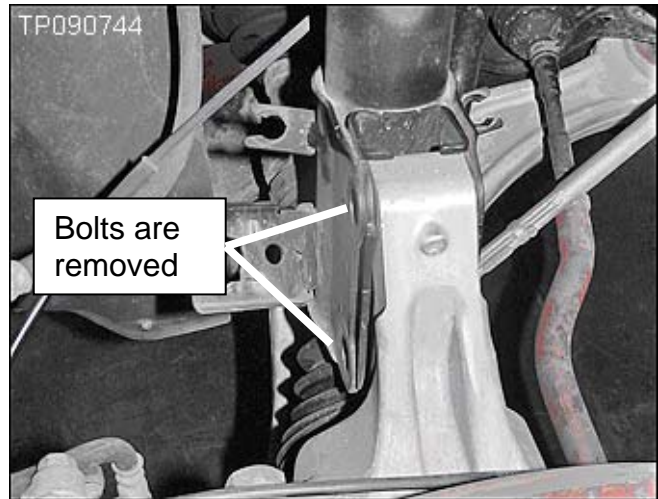


Figure 5

9. Remove the strut assembly from the vehicle.

10. Securely "bench mount" the strut assembly.

11. Use a suitable spring compressor to compress the strut spring.

WARNING: Make sure the spring compressor is securely connected / hooked to the spring.

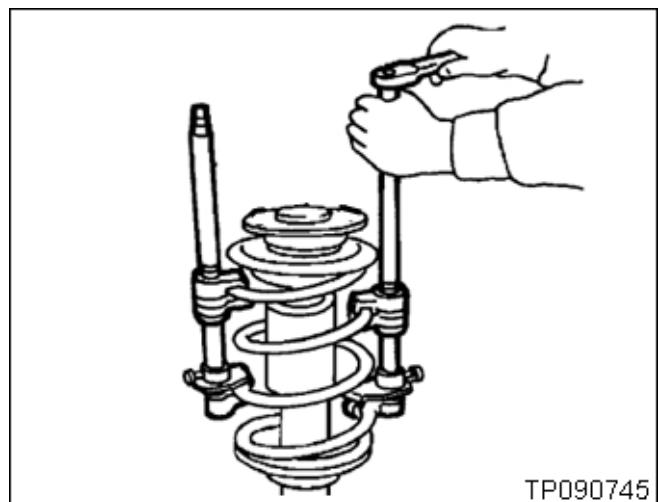


Figure 6

12. Remove the center nut at the top of the strut.

- Discard the nut, a new nut will be used for reassembly.

13. Remove the strut mounting insulator.

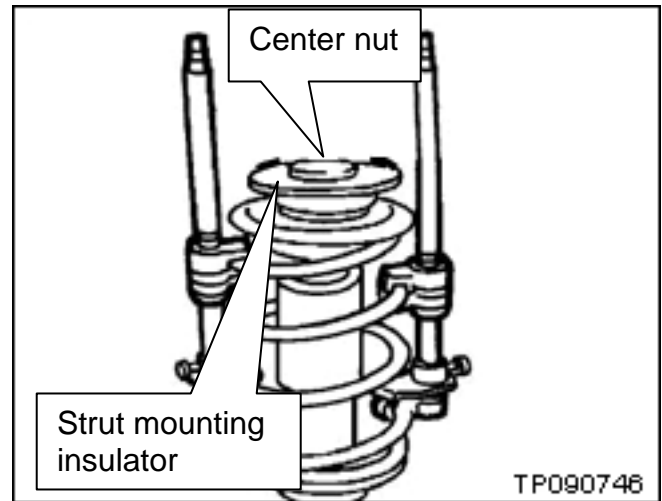


Figure 7

14. Install the new strut mounting insulator.

- The new insulator has 2 white dots in the center (see Figure 8).
- Make sure the insulator is positioned correctly, as shown in Figure 8.

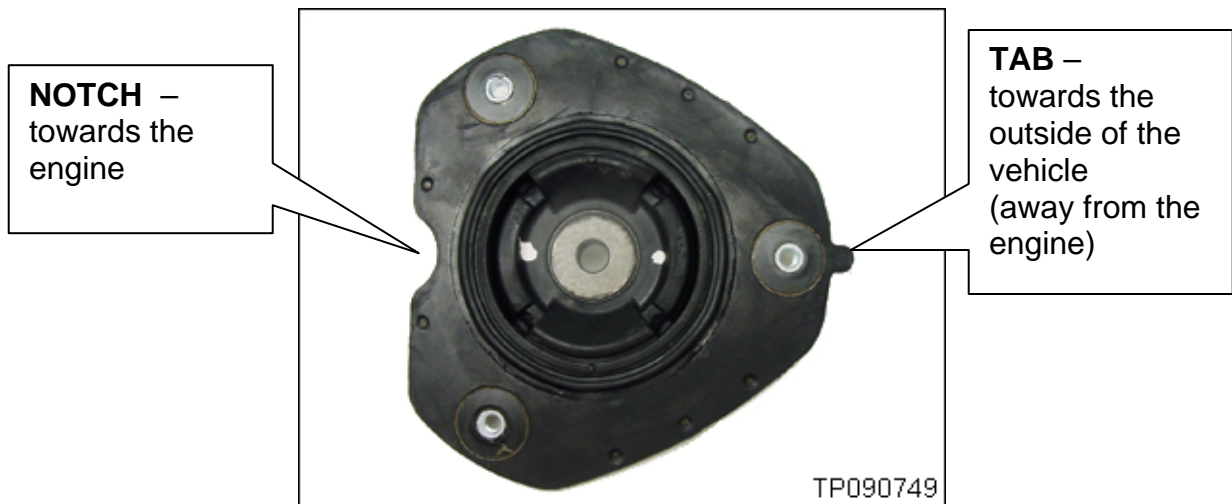


Figure 8

15. Install the new center nut at the top of the strut.

- Torque the nut to 73.2 N·m (7.46 kg·m, **54 ft-lb**).

16. Gradually release the spring compressor tension and remove the spring compressor.

17. Make sure the lower end of the spring coil is correctly and firmly seated in the spring seat as shown in Figure 9.

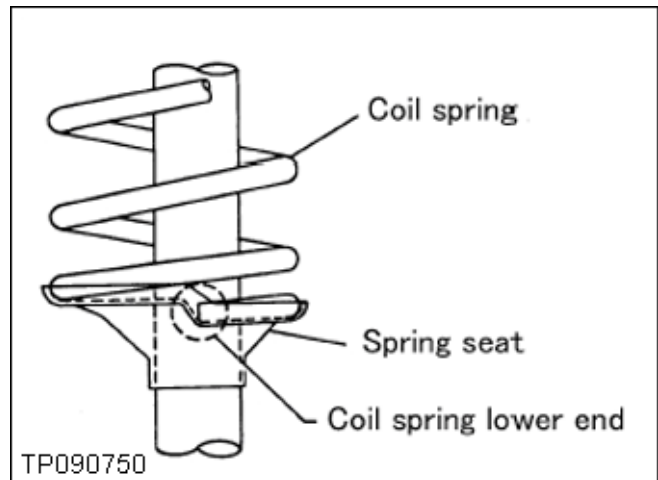


Figure 9

18. Install the strut assembly into the vehicle.

- Use **new** nuts on the strut to knuckle bolts.
- Install loosely—do not tighten—at this time.

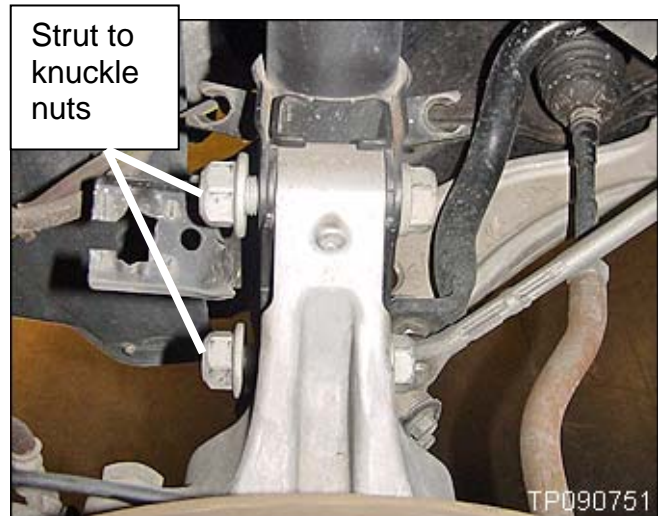


Figure 10

19. Install the 3 top strut mounting bolts.

- Torque bolts to $35.3 \text{ N}\cdot\text{m}$ (3.6 kg-m, **26 ft-lb**).
- Apply a small amount of multi-purpose grease to the threads on the strut center shaft.



Figure 11

20. Torque the strut to knuckle nuts (see Figure 12).

- Torque bolts to 139.6 N·m (14.2 kg-m, **103 ft-lb**).

21. Install the sway bar end link nut (see Figure 12).

- Torque nut to 78.6 N·m (8.0 kg-m, **58 ft-lb**).
- **IMPORTANT:** Hold the link with a wrench on the opposite side to prevent damage to the end link joint.

22. Install the ABS sensor harness into the strut brackets – 2 spots (see Figure 12).

23. Install the brake hose and clip into strut bracket (see Figure 12).

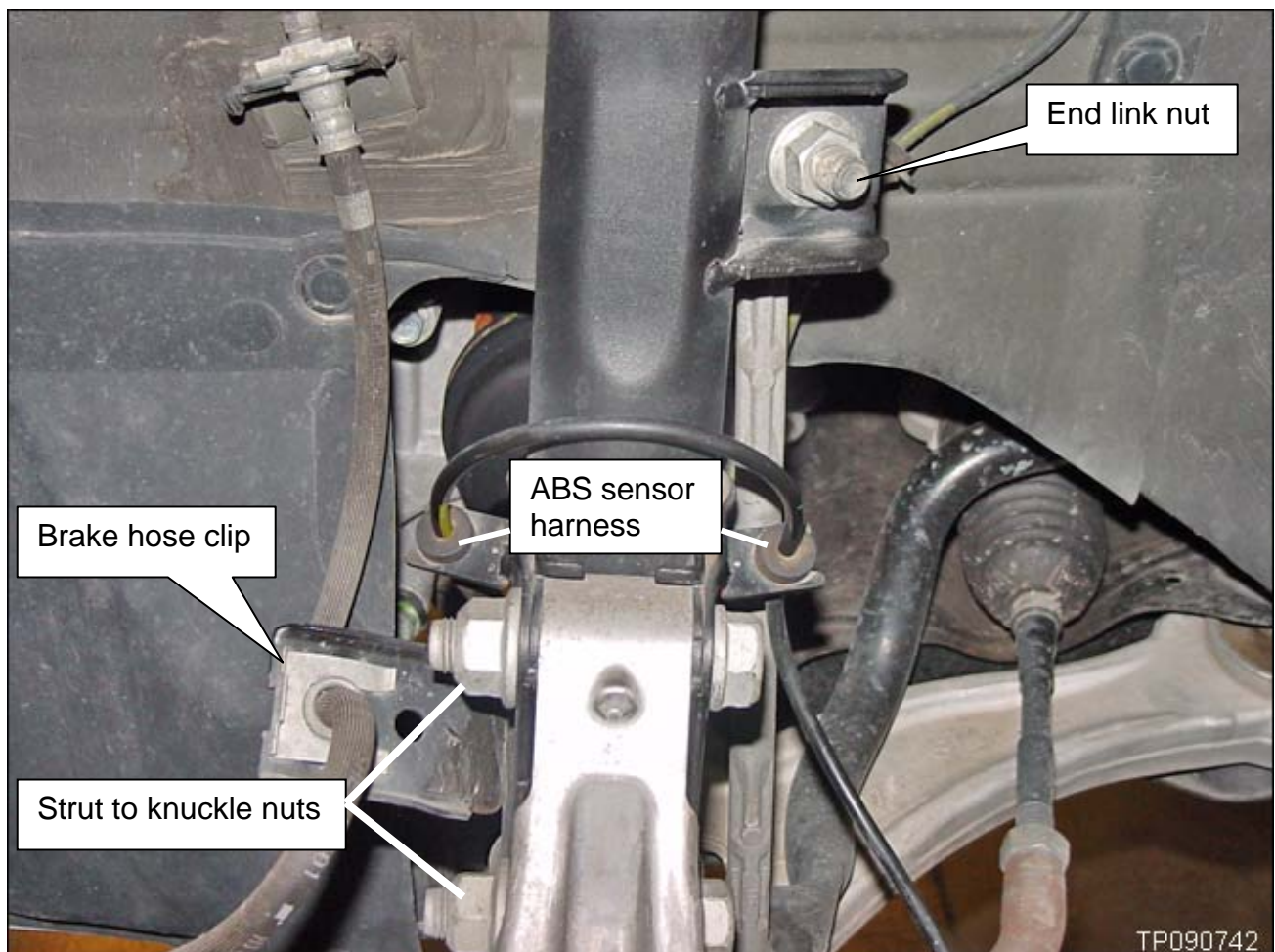


Figure 12

24. Install the front wheels.

- Tighten lug nuts in a 3 step diagonal pattern,
- Final torque 113 N·m (12 kg-m, **83 ft-lb**).

25. If equipped, reinstall the strut covers.

26. Use an alignment rack to check / set the front toe.

- Make sure the alignment rack has been recently calibrated.

Toe-in specification:

Minimum: 0

Nominal: 1 mm

Maximum: 2 mm

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Insulator Assy, Strut Mounting	54320 – JA00A	2
Nut (Insulator to Strut – Center Top)	54588-JA005	2
Nut (Strut to Knuckle)	54588-JA060	4

CLAIMS INFORMATION

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

“CM” I.D.: PC012

DESCRIPTION	OP CODE	FRT
Replace Front Strut Mounting Insulators and Set Front Alignment Toe	PC0120	2.1