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# RECALL CAMPAIGN BULLETIN

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Reference:

NTB06-090

Date:

December 15, 2006

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## VOLUNTARY RECALL CAMPAIGN 2007 MAXIMA STEERING LOCK

**CAMPAIGN I.D. #** PB026

**NHTSA #:** 06V-402

**APPLIED VEHICLE:** 2007 Maxima (A34)

**APPLIED VINs:** 1N4BA41E(\*)7C 800028 - 810000

**NOTE: Use Service Comm to determine campaign eligibility.**

### INTRODUCTION

Nissan has determined that on some 2007 model year Maxima vehicles, the steering wheel lock may not comply with one of the requirements set forth in Federal Motor Vehicle Safety Standard (FMVSS) No. 114.

The primary purpose of FMVSS No. 114 is to prevent vehicle theft. The standard specifies, among other things, that when the engine has been shut off, the steering wheel lock should only engage if the transmission lever is in the "Park" position. The steering wheel lock assemblies on some 2007 Maxima vehicles do not meet that requirement. Specifically, with the ignition knob turned to the "OFF" position, the steering may lock even if the transmission lever is not in "Park", if the steering wheel is turned more than 60 degrees. Nissan is conducting a Voluntary Recall Campaign to inspect the steering wheel lock and replace the steering wheel lock assembly if necessary.

### IDENTIFICATION NUMBER

Nissan has assigned identification number PB026 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

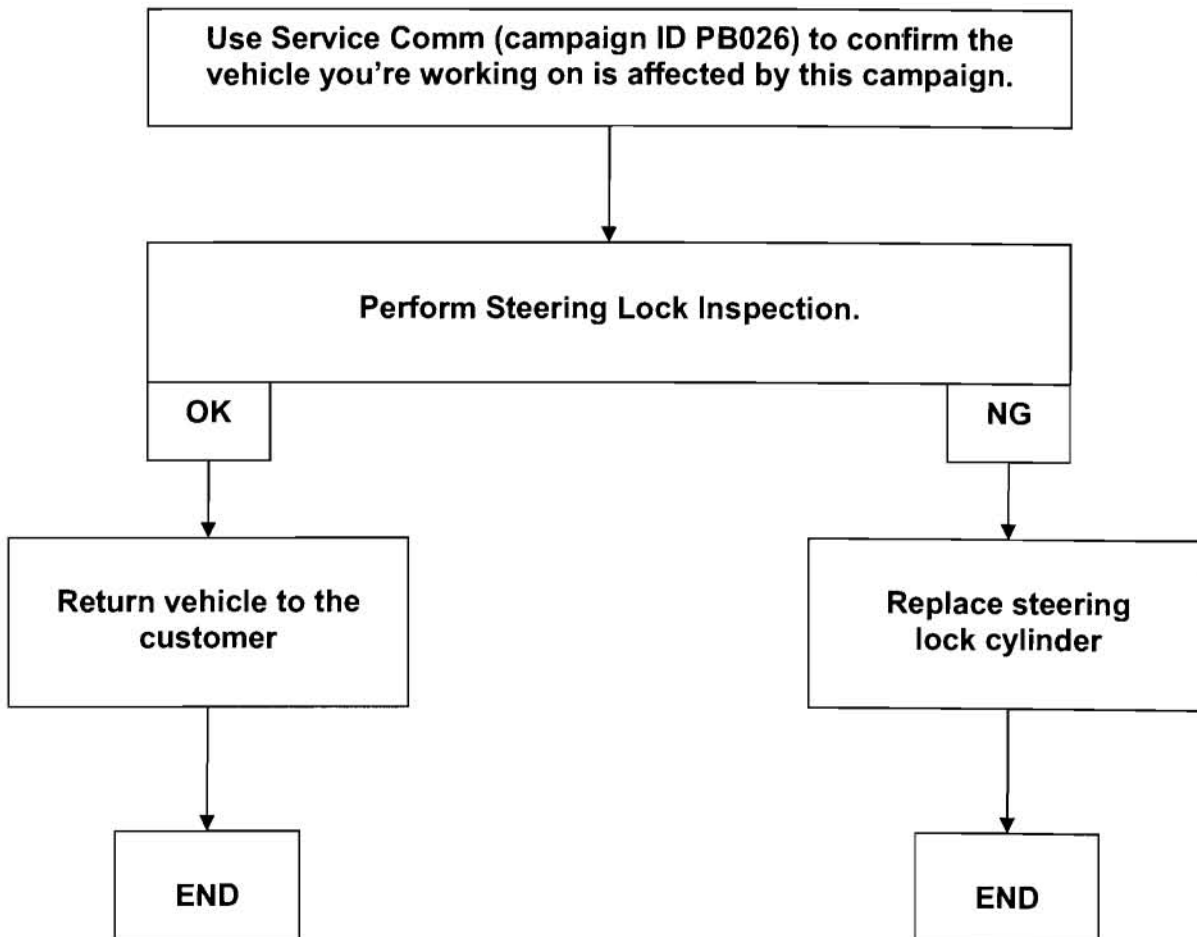
### NUMBER OF VEHICLES POTENTIALLY AFFECTED

The number of vehicles potentially affected is approximately 9,506.

## 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.

## REPAIR OVERVIEW



## SERVICE PROCEDURE

### Steering Lock Inspection

1. Make sure the steering wheel is centered (front wheels are straight ahead).

2. Turn the ignition knob to the ON position.

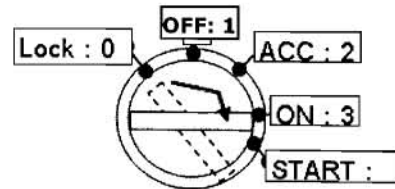


Figure 1

3. Press the brake pedal.

4. Move the shift lever to N (neutral) position.

5. Turn the ignition knob to the OFF position.

**NOTE:** The knob will stop at the OFF position.  
With the A/T in the N position the ignition knob will not turn to the lock position.

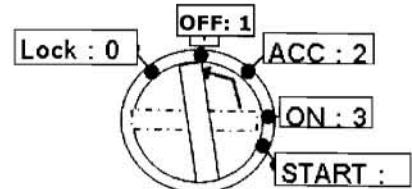


Figure 2

6. Turn the steering wheel 90 degrees to the left and then back to center.

7. Turn the steering wheel 90 degrees to the right and then back to center.

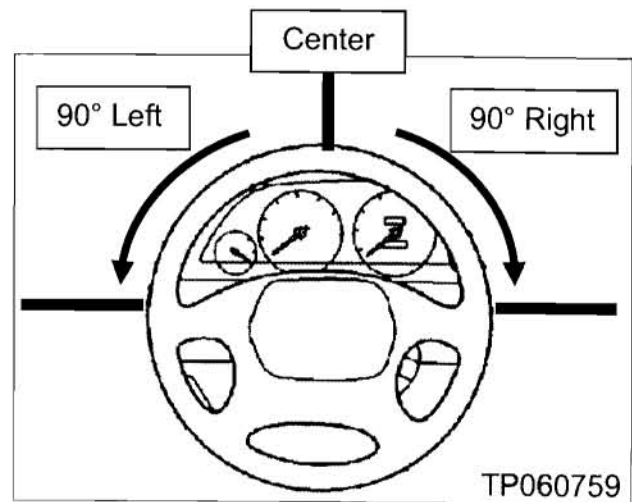


Figure 3

- Steering wheel **did not lock** when turning left and right; **INSPECTION OK**

1. Turn ignition knob to ON.
2. Place shift selector in Park.
3. Turn ignition knob to LOCK.
4. Return the vehicle to the customer.

- Steering wheel **locked** when turning left or right; **INSPECTION NG**

⇒ Go to Replace Ignition Lock on the next page.

## Replace Ignition Lock

1. Turn ignition knob to ON.
2. Place shift selector in Park.
3. Record the radio station presets.

PRESETS	1	2	3	4	5	6
A						
B						
C						

4. Turn ignition knob to LOCK.
5. Disconnect the negative battery cable.

6. Remove the 2 hood release handle bolts.

**NOTE:** This is a side view of the hood release handle.

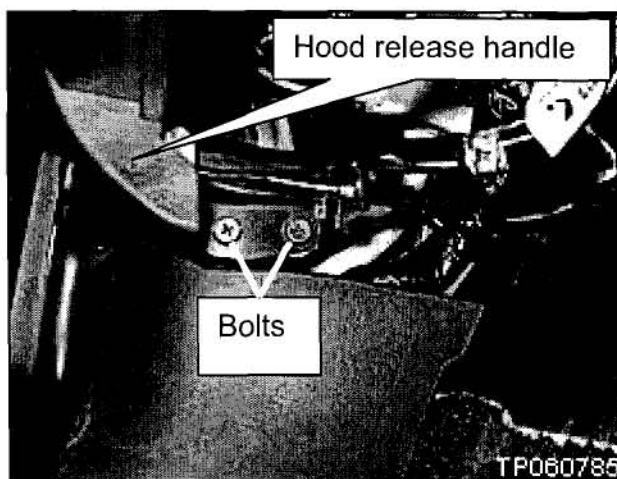


Figure 4

7. Remove the fuse panel cover.

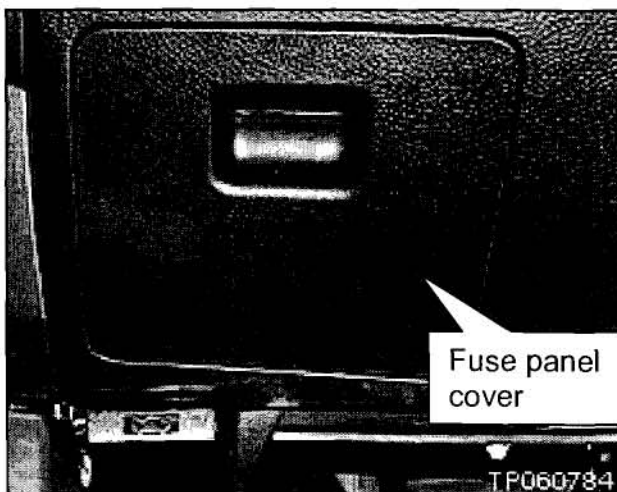


Figure 5

8. Remove two screws from the lower trim panel (see Figures 6 and 7).

- One near the fuse panel.

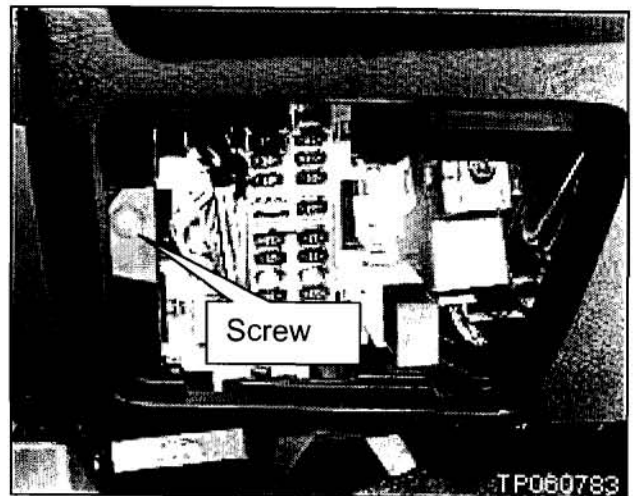


Figure 6

- One above the accelerator pedal.

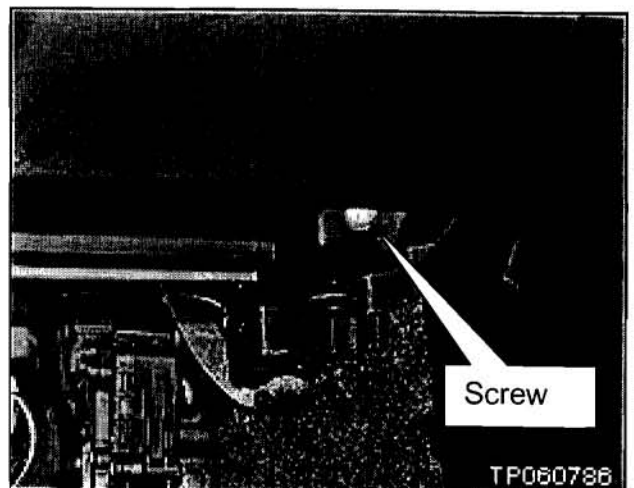


Figure 7

9. Remove the lower trim panel; carefully pull it straight out—towards the driver seat.

**NOTE:** There are 4 spring clips at the top edge of the panel.

10. Disconnect the 4 connectors shown in Figure 5 from the lower trim panel.

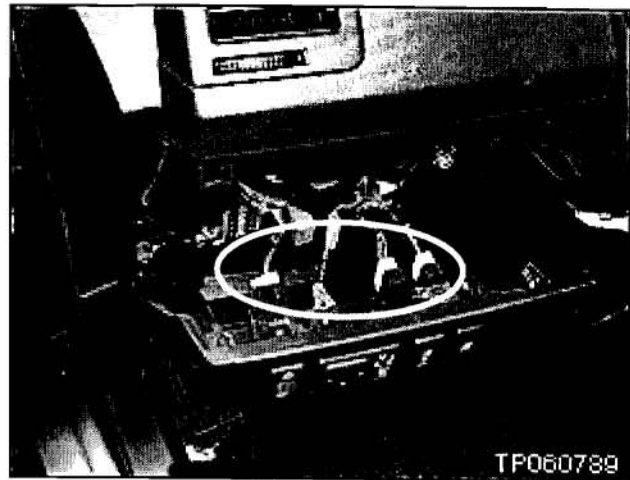


Figure 8

11. Disconnect the interior light from the lower trim panel.

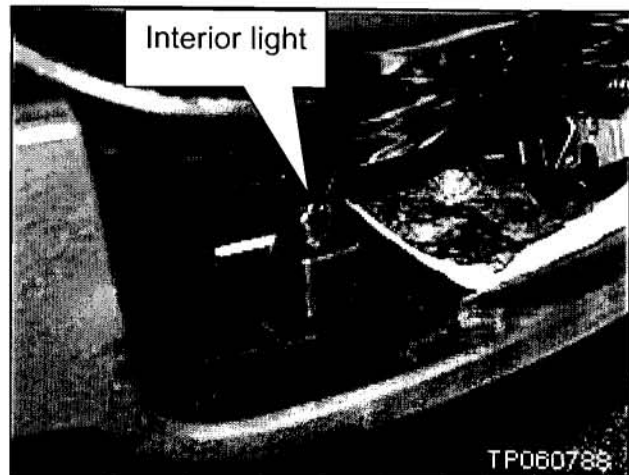


Figure 9

12. Disconnect the temperature sensor hose and electrical connector from the trim panel.

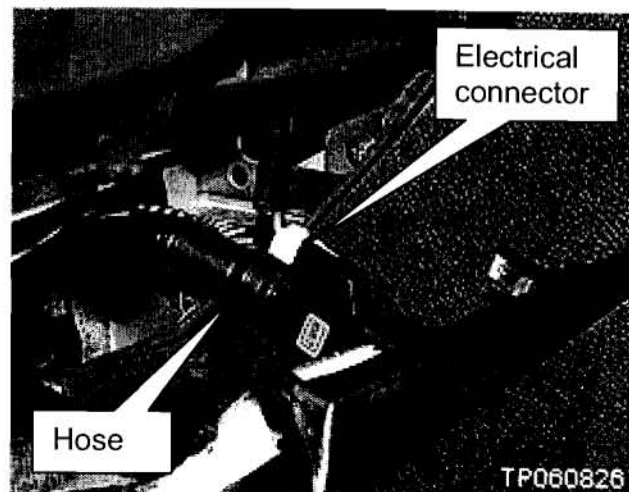


Figure 10

13. Remove the 2 knee protector bolts and remove the knee protector.

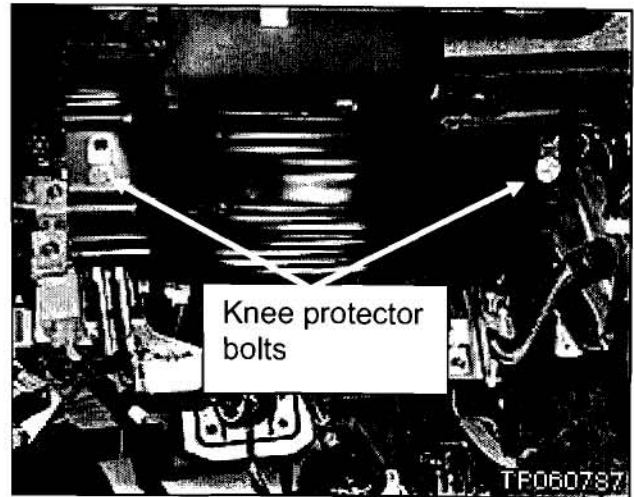


Figure 11

14. If equipped; remove the tilt/telescopic steering wheel switch.

- Use a plastic trim tool to remove—snap out—the switch, then
- Disconnect its electrical connector.



Figure 12

15. Remove the lower steering column cover:

- a. Remove the 3 screws on the lower cover.
- b. Pull straight down on the cover to remove it.

**NOTE:** Do not pry between the upper and lower cover.

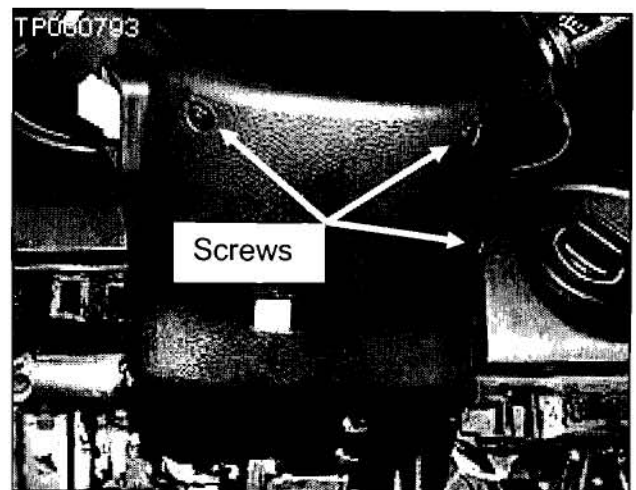


Figure 13

16. Remove the trim ring from around the ignition knob.

- Use a plastic trim tool.
- Pull it straight out (towards the driver seat).

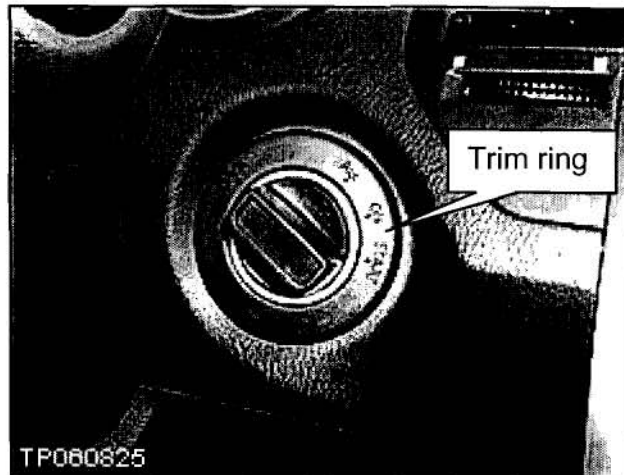


Figure 14

17. Disconnect the 5 electrical connectors from the lock cylinder assembly.

**NOTE:**

- For easier identification of the connectors, the lock cylinder is shown removed from the vehicle.
- It may be easier to disconnect #3 (lock knob illumination) as you remove the lock cylinder in step 19.

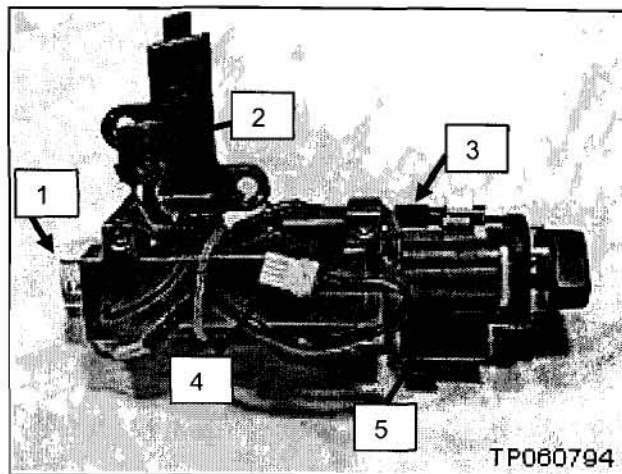


Figure 15

18. Make sure the ignition knob is in the lock position and the steering wheel is locked.

**CAUTION:** If the steering wheel is not locked before the lock cylinder is removed, the steering wheel lock may not work after the new lock cylinder is installed.



19. Remove the 2 anti-theft bolts from the lock cylinder and remove the lock cylinder from the steering column.

**NOTE:** A sharp punch and hammer can be used to loosen the bolts by tapping the bolt heads counterclockwise.



Figure 16

20. Remove the immobilizer antenna:

a. Remove the bolt.

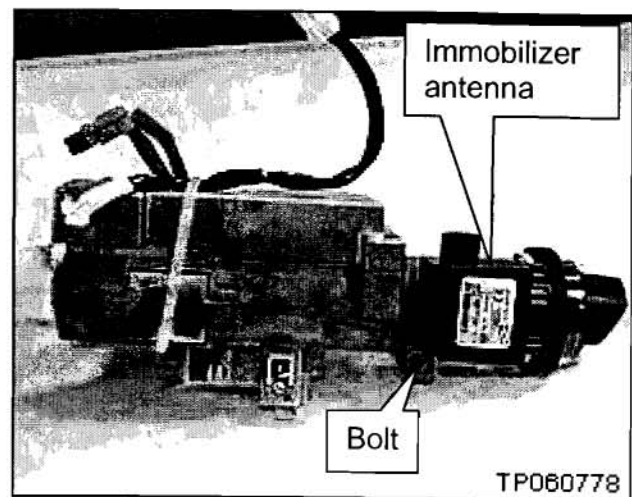


Figure 17

b. Remove the antenna (slide it off) and set it aside.

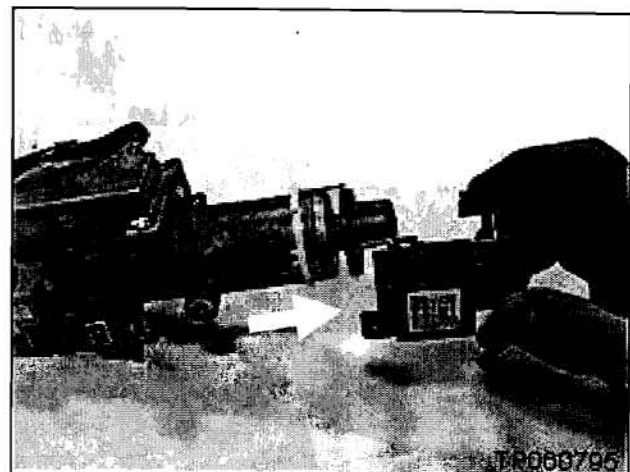


Figure 18

21. Remove the illumination ring (slide it off) and set it aside.

**NOTE:** The old ignition knob will not be reused.

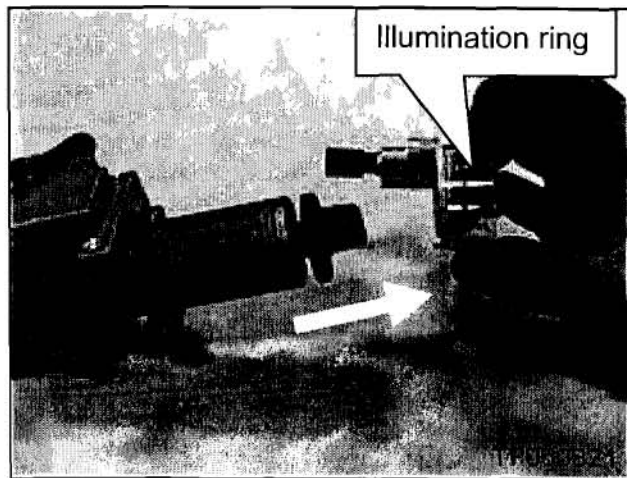


Figure 19

22. Install the new ignition knob on the new lock cylinder.

**NOTE:**

- Make sure to use the right color.
- The knob goes on only one way.
- Push it on until it snaps in place.

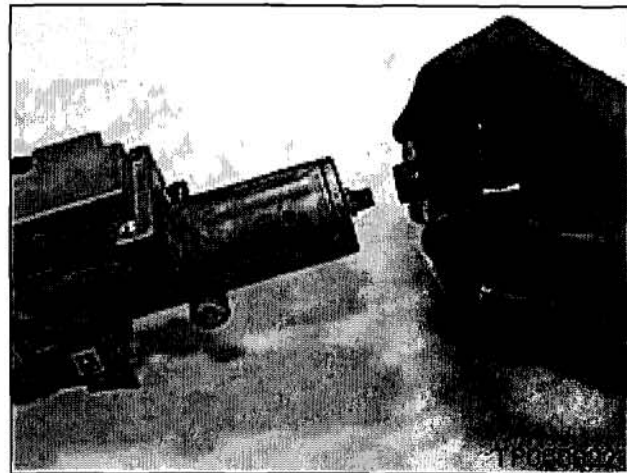


Figure 20

23. Install the illumination ring on the new lock cylinder:

- Make sure the slot is aligned with the tab shown in Figure 21.

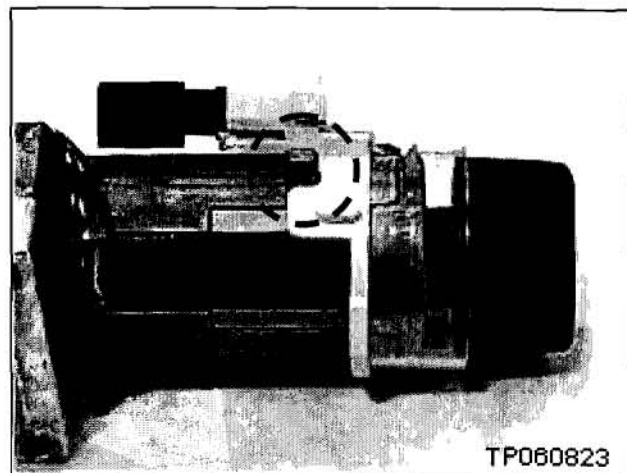


Figure 21

24. Install the immobilizer antenna on the new lock cylinder:

- Make sure the slot is aligned with the tab as shown in Figure 22.

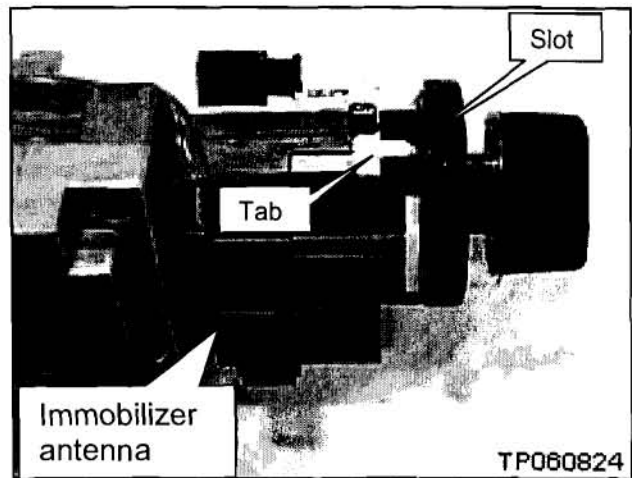


Figure 22

- Install the antenna mounting bolt.

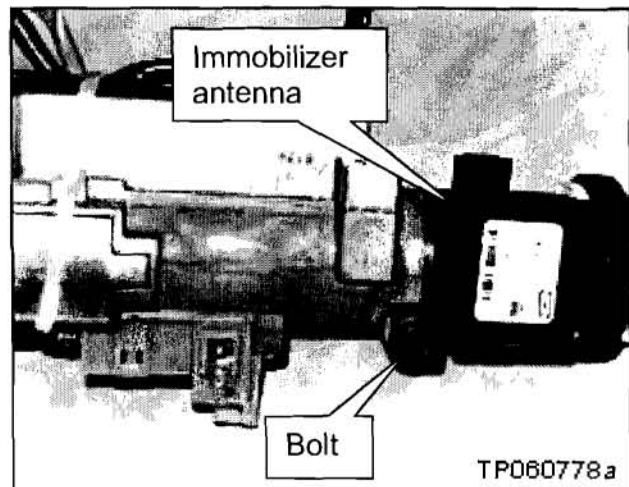


Figure 23

25. Install the lock cylinder on the steering column.

- It may be easier to connect the ignition knob illumination connector before you mount the lock cylinder in place.
- Tighten the anti-theft bolts snugly (finger tight)—**do not break off the heads yet.**

26. Connect the electrical connectors to the lock cylinder.

- Make sure all 5 electrical connectors are connected securely.

27. Install the trim ring around the ignition knob.

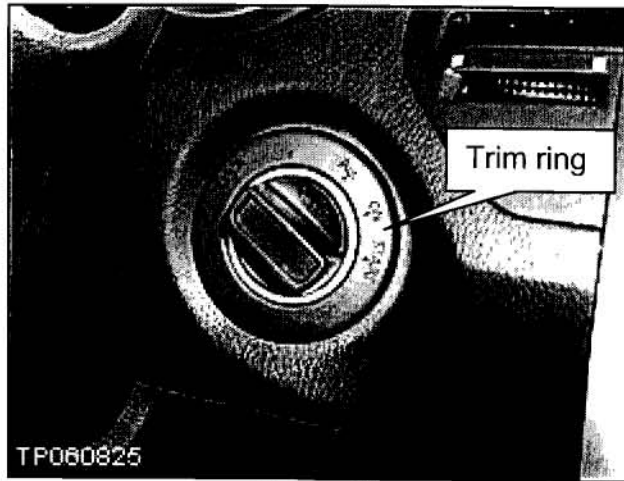


Figure 24

28. Reconnect the negative battery cable.

29. Make sure the steering wheel is centered (front wheels are straight ahead).

30. Turn the ignition knob to the ON position.

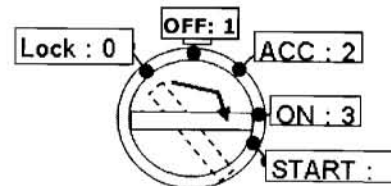


Figure 25

31. Press the brake pedal.

32. Move the shift lever to N (neutral) position.

33. Turn the ignition knob to the OFF position.

**NOTE:** The knob will stop at the OFF position. With the A/T in the N position the ignition knob will not turn to the lock position.

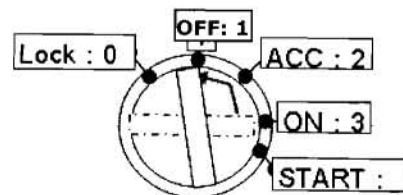


Figure 26

34. Turn the steering wheel 90 degrees to the left and then back to center.

35. Turn the steering wheel 90 degrees to the right and then back to center.

- The steering wheel should not lock when turning left and right.

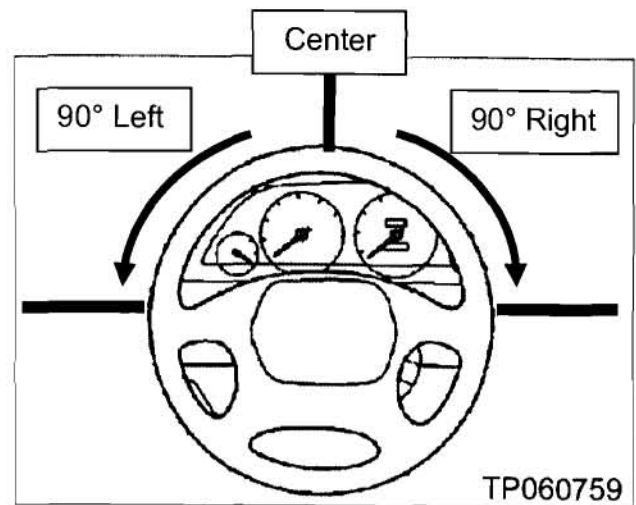


Figure 27

- If the steering wheel locks:
  - a. Turn ignition knob to ON.
  - b. Place shift selector in Park.
  - c. Turn ignition knob to LOCK.
  - d. Loosen the anti-theft bolts.
  - e. Reposition the key cylinder assembly.
  - f. Then re-snug the bolts—do not break OFF the bolt heads yet.
  - g. Repeat steps 29 through 35.

36. If the steering wheel does not lock when performing steps 34 and 35:

- a. Turn ignition knob to ON.
- b. Place shift selector in Park.
- c. Turn ignition knob to LOCK.

37. Tighten the anti-theft bolts until the heads break OFF.

38. Reinstall all remaining parts in reverse order of removal.

39. Reset the radio presets.

40. Reset the clock.

END

**PARTS INFORMATION**

<b>DESCRIPTION</b>	<b>PART #</b>	<b>QUANTITY</b>
Lock Cylinder Kit	D8700-CB01A	1
Ignition Knob	48412-ET90B (Black)	1
	48412-ZK30A (Gray)	
	48412-9Y700 (Tan)	

**CLAIMS INFORMATION**

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

“CM” I.D.: PB026

<b>DESCRIPTION</b>	<b>OP CODE</b>	<b>FRT</b>
Inspect Steering Lock, OK & Release	PB0260	0.2

**OR**

<b>DESCRIPTION</b>	<b>OP CODE</b>	<b>FRT</b>
Inspect & RPL Steering Lock	PB0261	1.4

## **OWNER'S LETTER**

Dear Nissan owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Nissan North America, Inc. has decided that your 2007 Maxima fails to comply with one of the requirements in Federal Motor Vehicle Safety Standard (FMVSS) No. 114, "Theft Protection."

### **Reason for Recall**

The primary purpose of FMVSS No. 114 is to prevent vehicle theft. Among other things, the standard specifies that when the engine has been shut off, the steering wheel lock should only engage if the transmission lever is in the "Park" position.

The steering wheel lock assemblies on some 2007 Maxima vehicles do not meet that requirement. Specifically, with the ignition knob turned to the "OFF" position, the steering may lock even if the transmission lever is not in "Park," if the steering wheel is turned more than 60 degrees.

This condition only occurs when you shut off your engine. The vehicle should always be brought to a complete stop before you shut off the engine. If you shut off your engine while the vehicle is in motion, and turn your steering wheel at least 60 degrees, the steering wheel lock could engage. This could result in loss of control of the vehicle and a crash.

### **What Nissan Will Do**

Your Nissan dealer will inspect the steering wheel lock to see if it works correctly and replace the lock assembly if necessary. This free service should take about 2 1/2 hours to complete, but your Nissan dealer may require your vehicle for a longer period of time based upon their work schedule, or parts availability.

### **What You Should Do**

Contact your Nissan dealer at your earliest convenience in order to arrange an appointment to have your vehicle inspected. Please bring this notice with you when you keep your service appointment. Instructions have been sent to your Nissan dealer.

If you have paid to have your steering wheel lock assembly replaced prior to this campaign, you may be eligible for reimbursement of the related expense. 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 contact the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW., 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.