



## RECALL CAMPAIGN BULLETIN

Reference:

NTB06-091

Date:

December 15, 2006

### VOLUNTARY RECALL CAMPAIGN 2005 – 2006 MURANO STEERING LOCK

**CAMPAIGN I.D. #** R0614  
**NHTSA #:** 06V-401  
**APPLIED VEHICLES:** 2005 – 2006 Murano (Z50)  
**APPLIED VINS:** 2005 Murano JN8AZ08T(\*)5W 300110 – 332099  
JN8AZ08W(\*)5W 400108 – 445239  
2006 Murano JN8AZ08T(\*)6W 400104 – 429751  
JN8AZ08W(\*)6W 500021 – 552016

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

#### INTRODUCTION

Nissan has determined that on some 2005-2006 Murano vehicles equipped with Intelligent Key, 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 2005 and 2006 Murano vehicles that are equipped with Intelligent Key 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 R0614 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

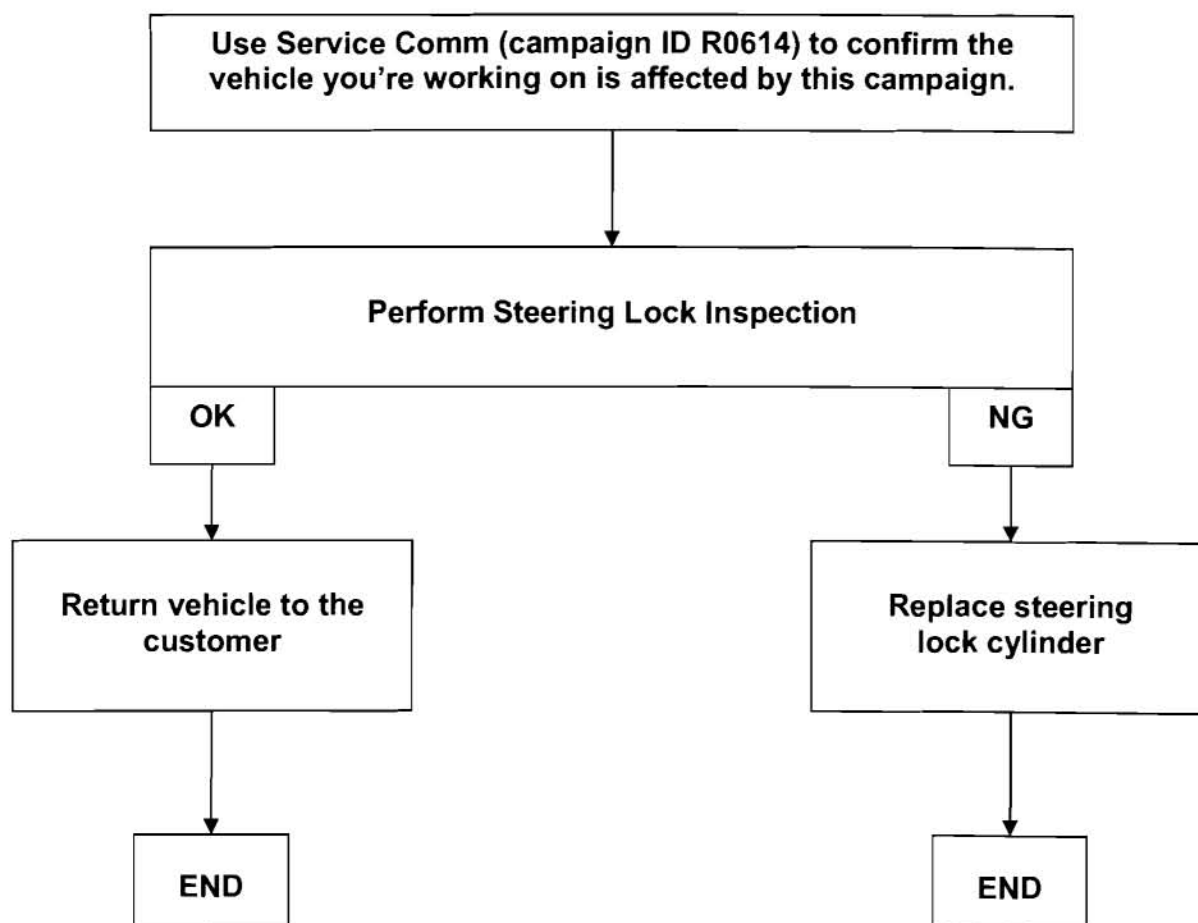
#### NUMBER OF VEHICLES POTENTIALLY AFFECTED

The number of vehicles potentially affected is approximately: 67,104

## DEALER RESPONSIBILITY

It is the dealers 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.

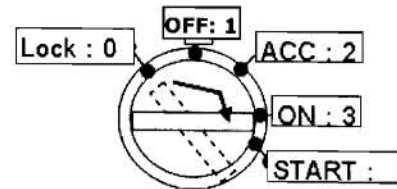


Figure 1

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.

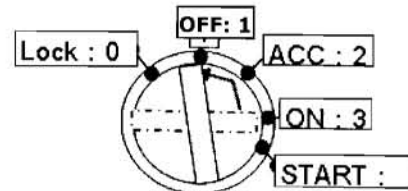


Figure 2

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.

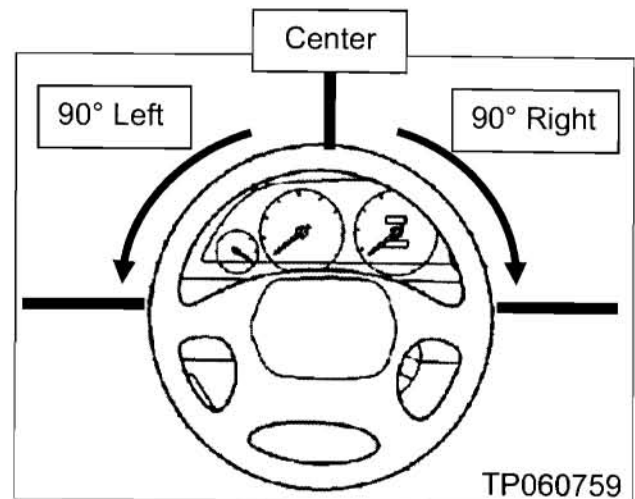


Figure 3

- Steering wheel **did not lock** when turning left and right; **INSPECTION OK**
  - a. Turn ignition knob to ON.
  - b. Place shift selector in Park.
  - c. Turn ignition knob to LOCK.
  - d. 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 OFF.
5. Disconnect the negative battery cable.

6. Remove the hood release handle:
  - a. Remove the bolts shown in Figure 4.
  - b. Slide/pull the handle towards the driver seat.
  - c. Pull it down and away from the lower trim.

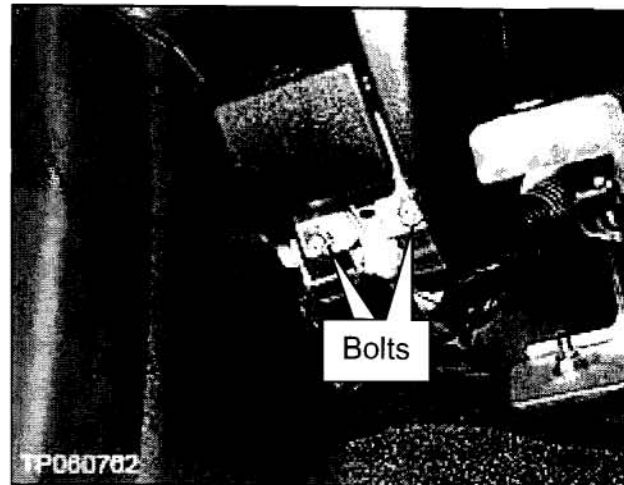


Figure 4

7. Remove two screws from the Data Link connector.

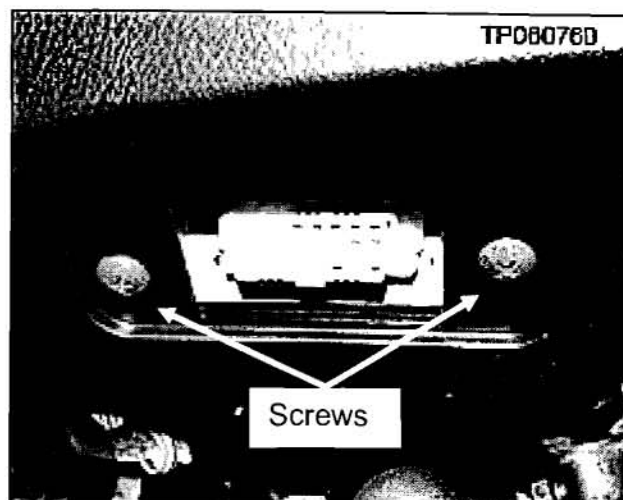


Figure 5

8. Remove the fuse panel cover.

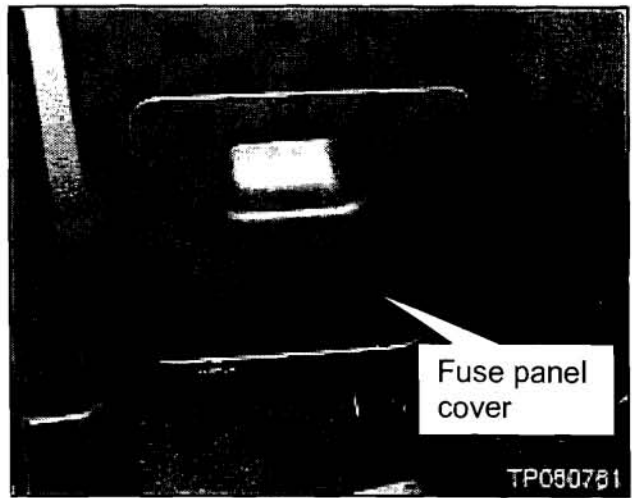


Figure 6

9. Pull the driver's door weather strip loose in the area shown in Figure 7.

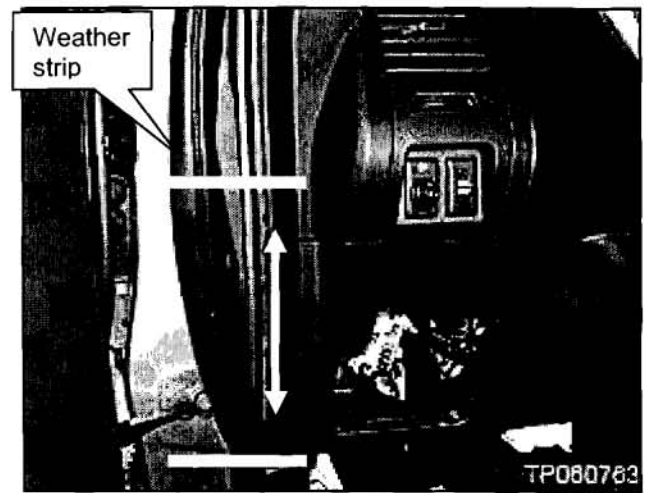


Figure 7

10. Remove two screws from the lower trim panel:

- One near the fuse panel (shorter one).

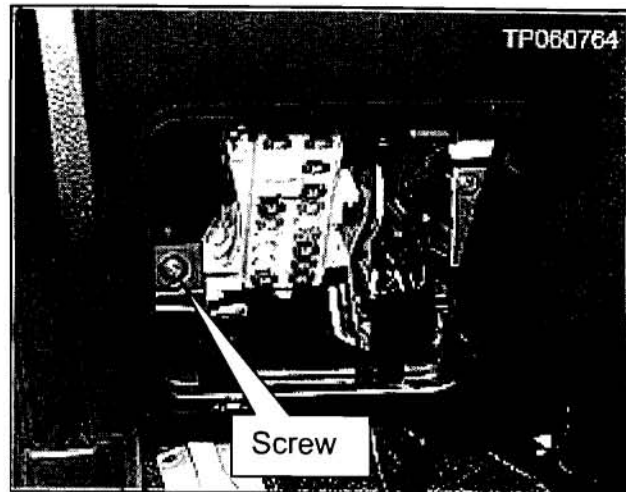


Figure 8

- One above the accelerator pedal (longer one).

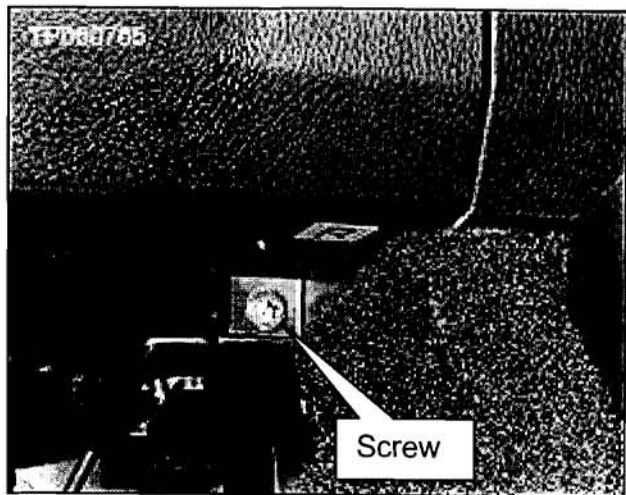


Figure 9

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

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

12. If equipped; disconnect the temperature sensor hose and electrical connector from the trim panel.

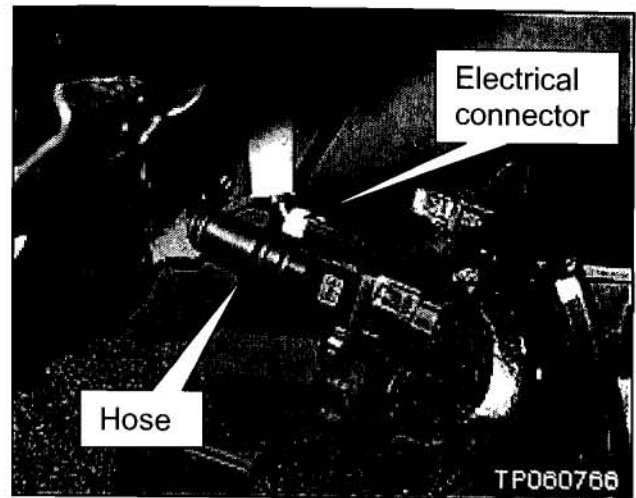


Figure 10

13. Remove the 4 knee protector bolts and remove the knee protector.

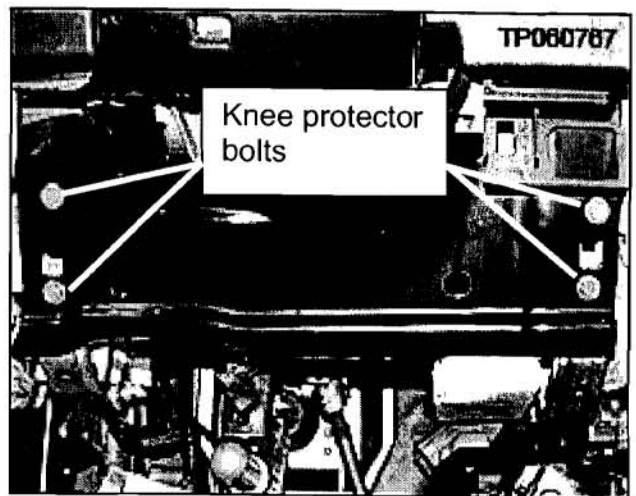


Figure 11

14. Remove the screw from the tilt lever knob and remove the knob.



Figure 12

15. Remove the tilt lever cover.



Figure 13

16. Remove the lower steering column cover:

- a. Remove the 3 screws shown in Figure 14.
- b. Pull straight down on the cover to remove it.

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

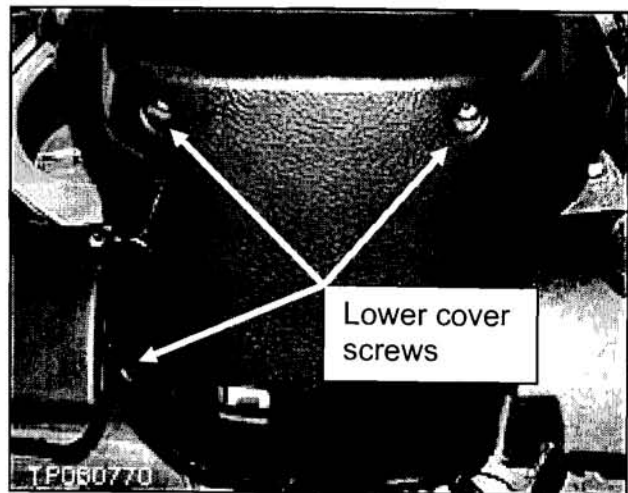


Figure 14

17. Remove the ignition knob finisher.

- Pull straight out—towards the driver seat.
- There are 3 spring clips holding the finisher in place.



Figure 15



18. Disconnect the electrical connector from the ignition knob finisher.

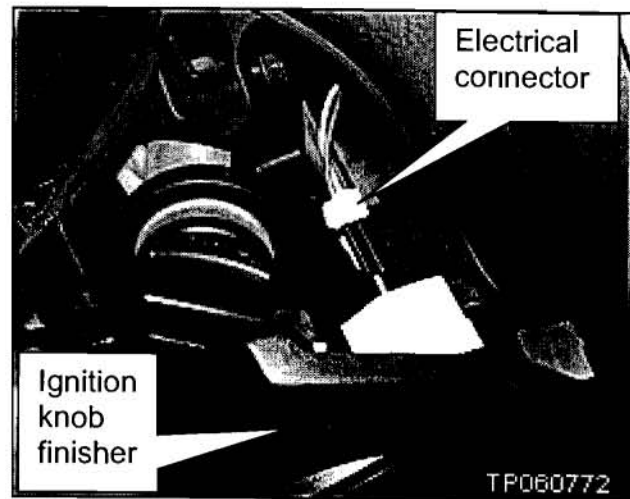


Figure 16

19. Disconnect the immobilizer antenna electrical connector.

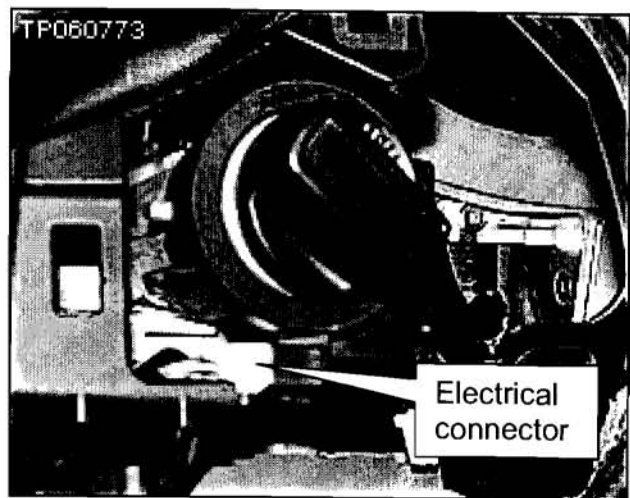


Figure 17

20. Disconnect the electrical connector at the rear of the lock cylinder.

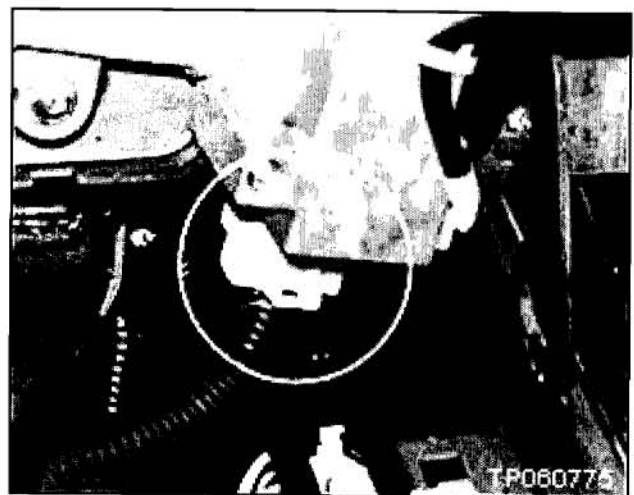


Figure 18

21. Disconnect the 2 electrical connectors shown in Figure 19.



Figure 19

22. 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.

23. 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 20

24. Remove the ignition knob from the lock cylinder.

**NOTE:**

- You may need to use a plastic trim tool to gently pry it off.
- Do not damage the immobilizer antenna.
- The ignition knob will not be reused.

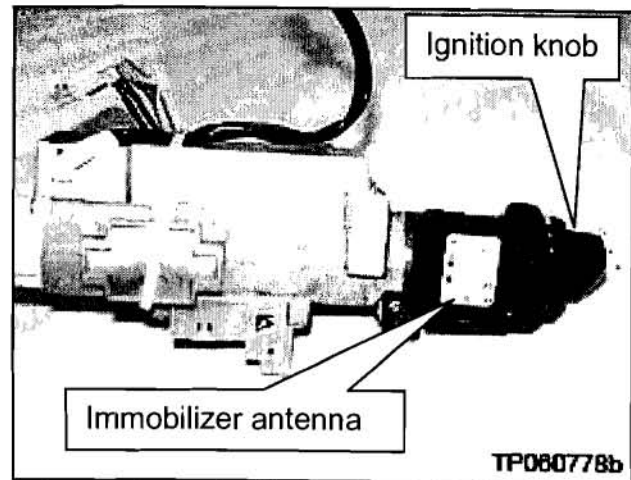


Figure 21

25. Remove the immobilizer antenna:

- a. Remove the bolt.

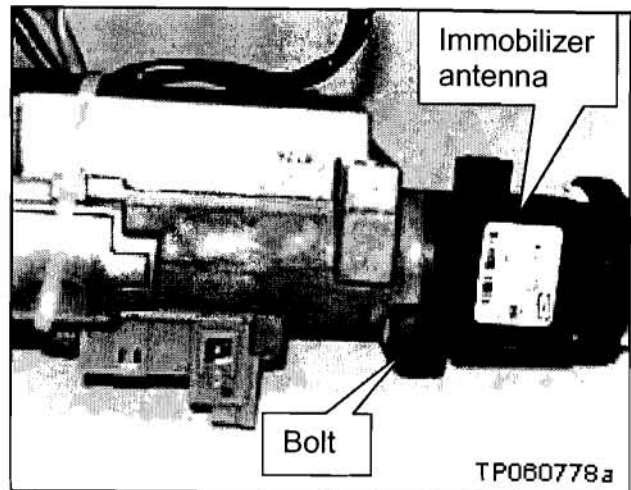


Figure 22

- b. Slide the antenna off of the lock cylinder.

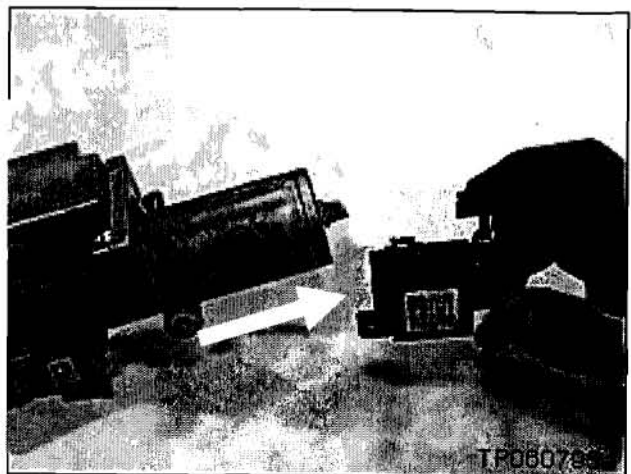


Figure 23

26. Install the immobilizer antenna on to the new lock cylinder in reverse of removal.

27. Install a new ignition knob on the new lock cylinder.

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

**NOTE:** Black and Beige knobs are provided in the kit. A Red knob must be ordered separately.

28. Install the lock cylinder on the steering column.

- Tighten the anti-theft bolts snugly (finger tight)—**do not break off the heads yet.**

29. Reconnect the immobilizer antenna connector.

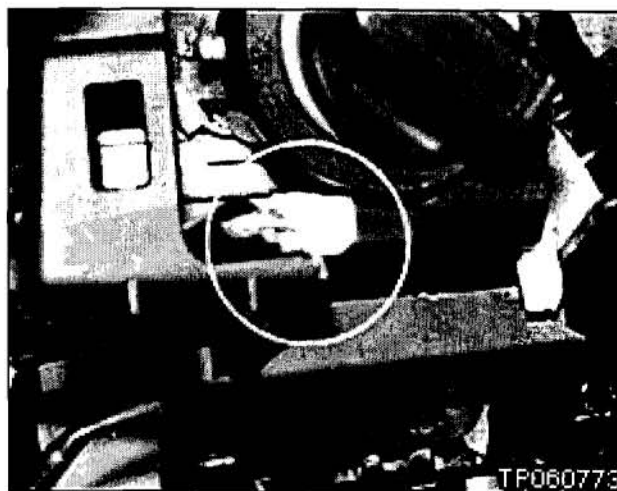


Figure 24

30. Reconnect the electrical connector at the rear of the lock cylinder.

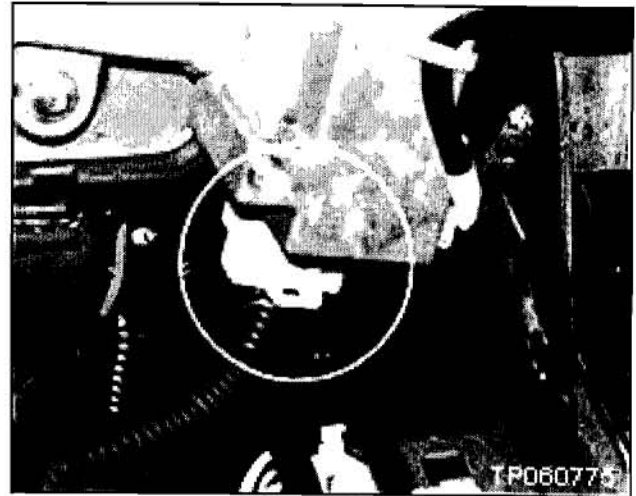


Figure 25

31. Reconnect the 2 electrical connectors shown in Figure 26.



Figure 26

32. Reconnect the electrical connector to the ignition knob finisher.

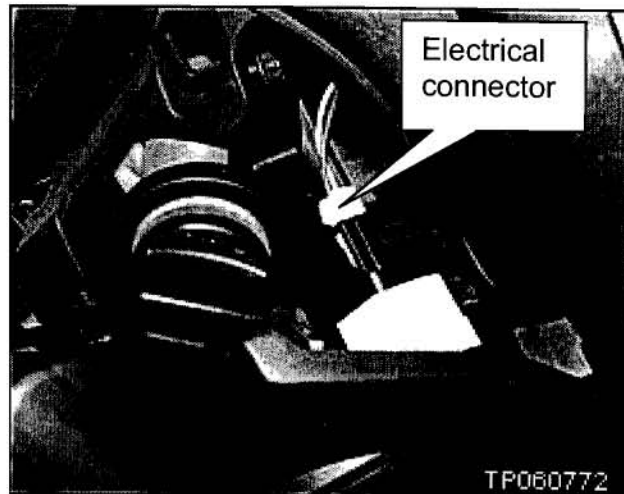


Figure 27

33. Install the ignition knob finisher.

**NOTE:**

- If the ignition knob finisher does not fit correctly, you may need to loosen the anti-theft bolts, reposition the lock cylinder assembly, then re-snug the bolts.
- **Do not break off the bolt heads yet.**



Figure28

34. Reconnect the negative battery cable and make sure the steering wheel is centered (front wheels are straight ahead).

35. Turn the ignition knob to the ON position.

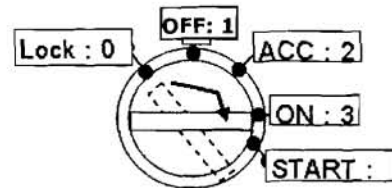


Figure 29

36. Press the brake pedal.

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

38. 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.

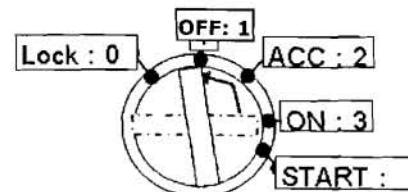


Figure 30

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

40. 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.

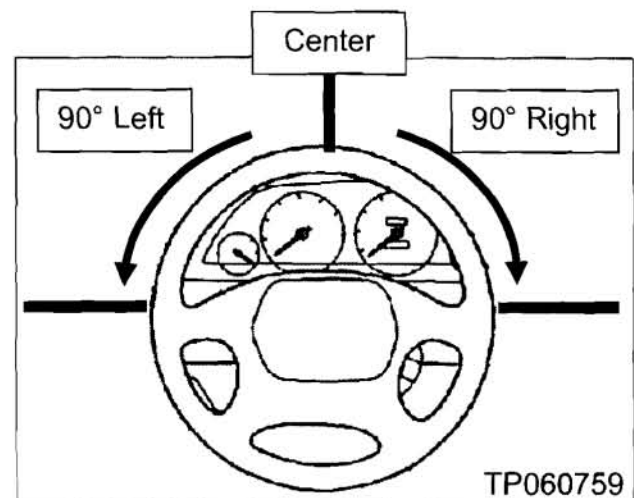


Figure 31

- 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-slug the bolts(finger tight)—do not break OFF the bolt heads yet.
  - g. Repeat steps 35 through 40.

41. If the steering wheel does not lock when performing steps 39 and 40 on the previous page:

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

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

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

44. Reset the radio presets.

45. Reset the clock.

END



**PARTS INFORMATION**

DESCRIPTION	COLOR	INTERIOR COLOR CODE	PART #	QUANTITY
Lock Cylinder Kit	N/A	N/A	D870M-CB025	1
Ignition Knobs Included in Kit	Café Latté (Beige)	C		
	Charcoal (Black)	G		
Ignition Knob Not Included in Kit	Cabernet (Red)	R	48412-CB810	1 (if needed)
	Caramel (Light Brown)	P	48412-CC20A	Not for U.S. Market

**CLAIMS INFORMATION**

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

“CM” I.D.: R0614

DESCRIPTION	OP CODE	FRT
Inspect Steering Lock, OK & Release	R06140	0.2

OR

DESCRIPTION	OP CODE	FRT
Inspect & RPL Steering Lock	R06141	0.9

## **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 2005-2006 Murano equipped with Intelligent Key may not 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 2005 and 2006 Murano vehicles that are equipped with Intelligent Key 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.