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# SERVICE BULLETIN

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Classification: WT03-001	Reference: NTB03-006	Date: January 23, 2003
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## 2003 350Z; TIRE ROAD NOISE WHEN BRAKING

**APPLIED VEHICLES:** 2003 350Z (Z33)  
**APPLIED VINS:** Vehicles built before: JN1AZ34E93T004958  
JN1AZ34D63T104023  
**APPLIED DATE:** Vehicles built before: September 19, 2002

### IF YOU CONFIRM:

An applied vehicle shows the following symptoms when braking moderately:

- excessive tire “roar” or “growl” noise,
- mostly when braking at speeds below 30 mph.

### ACTIONS:

- Verify the incident noise as described above.
- Check Alignment. Adjust (if needed).
- Rotate Front Tires from Side to Side - Dismounting Tires from Wheels.

**IMPORTANT:** The purpose of ACTIONS (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure (starting on page 2, below) as it contains information that is essential to successfully completing this repair.

## CLAIMS INFORMATION

Submit a Primary Failed Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
R&R One Wheel/Tire	(1)	PW10AA	ZL	41	(2)
Combination: R&R One Additional Wheel/Tire		PW101A			(2)
Adjust Toe-in		WD40AA			(2)

(1) Reference the 350Z Parts Catalog and use the indicated wheel P/N as the PFP.

(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

## SERVICE PROCEDURE

### Verify Noise:

Verify the incident as described in the **IF YOU CONFIRM** section on page 1 of this bulletin.

### Check Alignment. Adjust (if needed):

1. Check the vehicle's front end alignment and adjust Toe-in, if needed.

For details on Front End Alignment, refer to the **FSU section/Wheel Alignment Inspection and Toe-in Inspection and /Service Data/Wheel Alignment (Unladen)** in the Electronic Service Manual (ESM).

2. Once Toe-in has been checked and adjusted (if necessary), go to **Rotate Front Tires from Side to Side - Dismounting Tires from Wheels** (below).

### Rotate Front Tires from Side to Side - Dismounting Tires from Wheels:

1. Label the left-front wheel as the LEFT (as viewed from the driver's seat).
2. Label the right-front wheel as the RIGHT (as viewed from the driver's seat).

3. Inspect the valve stems of the front tires:

- A. If the valve stems are **black-colored rubber-type** (see Figure 1), go to Step 4 on page 5.

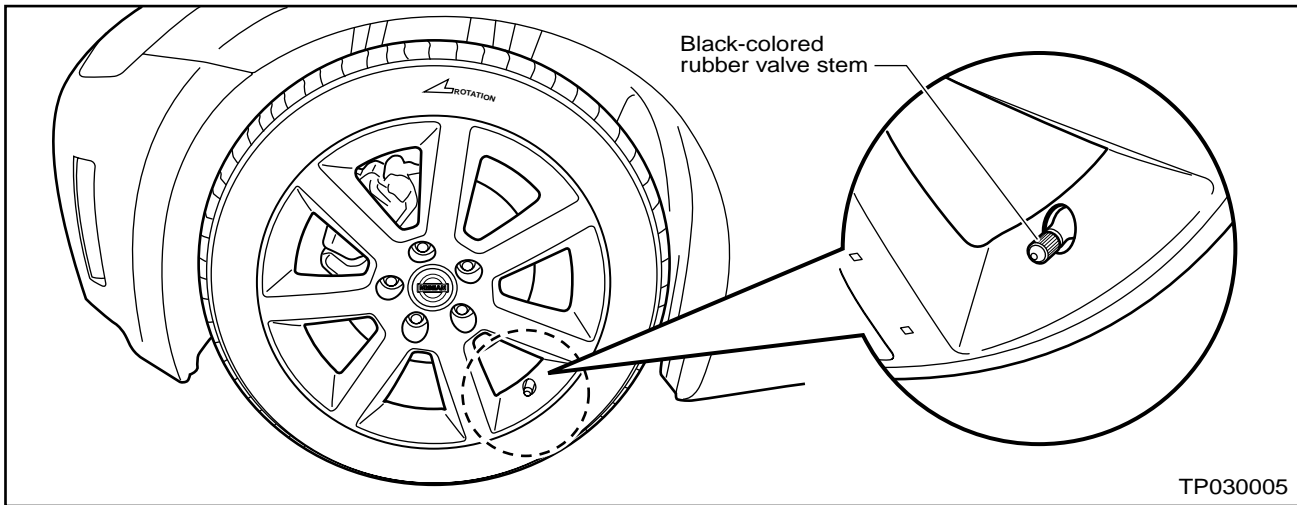


Figure 1

- B. If the valve stems are **silver-colored metal-type** (see Figure 2) use a **non-permanent** marker to mark the stem **Left**, or **Right**. Then follow the **CAUTIONS** (below and on Page 4) before going to Step 4 on page 5.

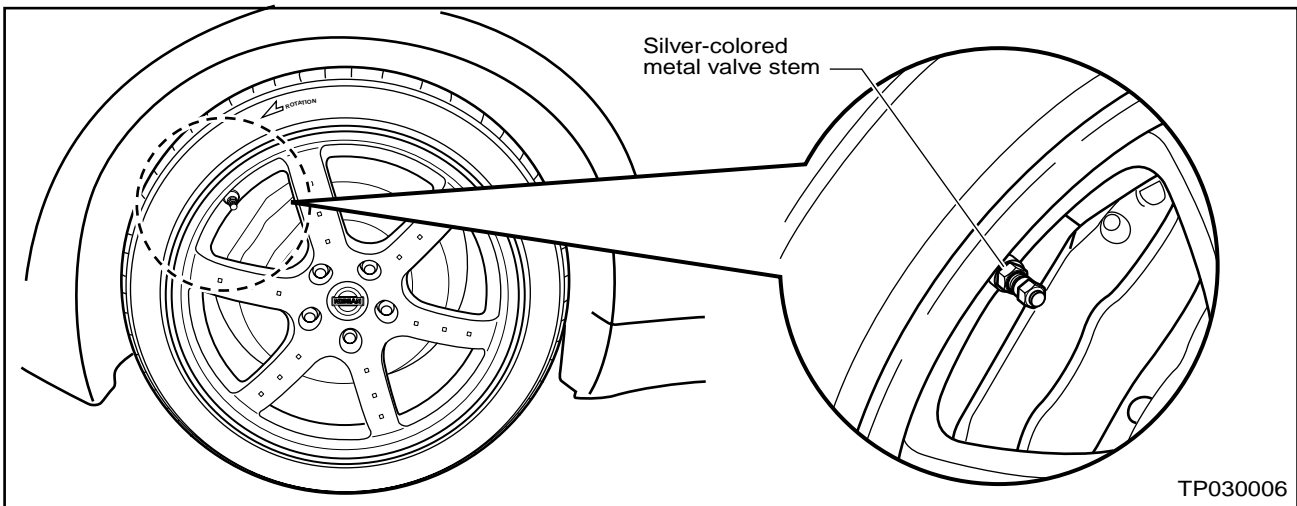


Figure 2

**CAUTION:** First read the “tips” on this page and on page 4 **before trying to remove a tire from the wheel:**

**Tire Removal Tips:**

- When removing a tire with a transponder installed, **before breaking the tire bead from the rim,** first remove the nut from the valve stem.

- Then, push the valve stem/air pressure transponder into the inside of the tire.

• **Failure to do this will result in transponder damage.**

### Positioning TPMS Transponder When Remounting Tires:

- When remounting tires, make sure the TPMS Transponder is positioned as close to the wheel surface as possible (see Figure 3).

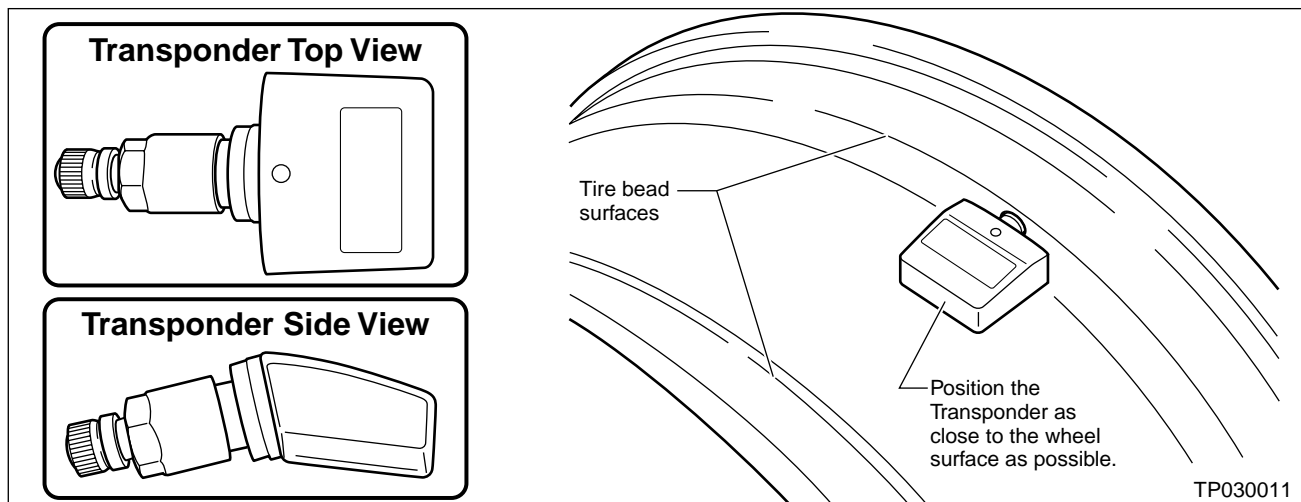


Figure 3

- To avoid having to perform TPMS Initialization, make sure the Transponder stays in its **original position** on the car.

#### **For Example:**

- The **right-front Transponder** remains with the **right-front wheel**.
- The **left-front Transponder** remains with the **left-front wheel**.

Refer to the mark you made in step 3B (page 3) for correct Transponder placement.

**NOTE:** TPMS Initialization should not be needed if the “tips” above are followed, however, if TPMS Initialization is needed, see **NTB02-070** for detailed information.

4. Remove the right-front and left-front wheels.
5. Dismount the front tires from the wheels.

**NOTE:** When remounting tires in the steps below, make sure the uni-directional arrows on the sides of the tires point toward the front of the vehicle (see Figure 4)

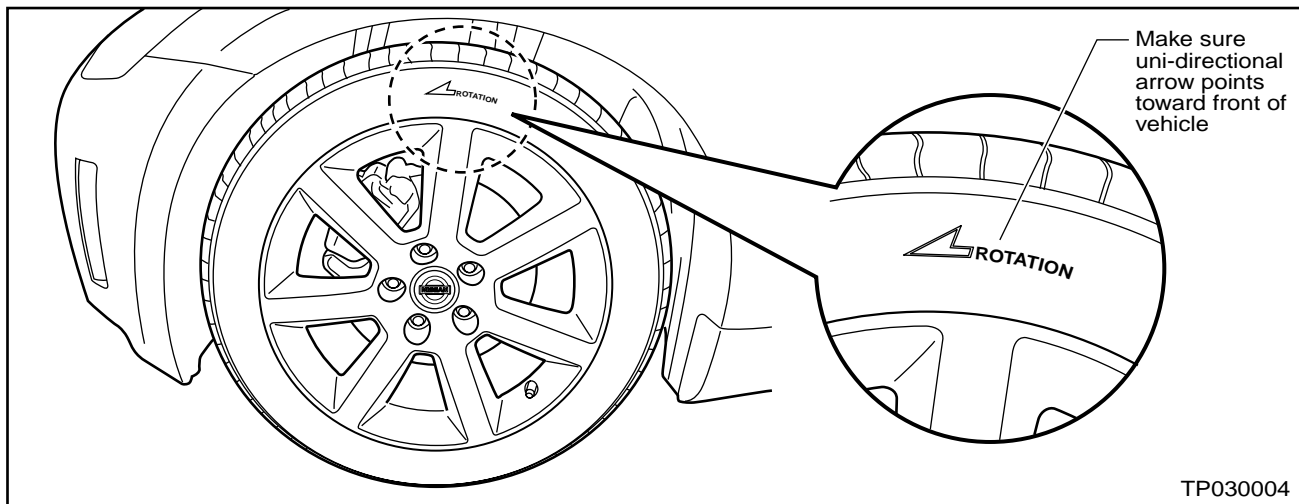


Figure 4

6. Mount the right tire on the left wheel.
7. Mount the left tire on the right wheel.
8. Balance both wheel/tire assemblies.
9. Mount the left wheel/tire assembly on the left side of the vehicle.
10. Mount the right wheel/tire assembly on the right side of the vehicle.
11. Verify the incident as described in the **IF YOU CONFIRM** section on page 1 of this bulletin is no longer present.