

Classification:

WT 11-004

Reference:

IT B11-022

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## TIRE MOUNTING INFORMATION

**APPLIED VEHICLES:** All Infiniti

### SERVICE INFORMATION

- When mounting tires to wheels, it is important that the tire bead is seated correctly.
- A tire bead that is not seated correctly may cause a vehicle vibration.
- High performance tires and tires with shorter sidewalls (low aspect tires) may require more care to make sure the tire bead is seated correctly.
- Follow the Tire Mounting Tips in this bulletin.

Infiniti 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 Infiniti dealer to determine if this applies to your vehicle.

## Tire Mounting Tips:

**NOTE:** These tips are not intended to be a complete instruction for mounting tires to wheels. Make sure to read and follow the instruction for your specific tire service equipment.

1. Clean the tire bead with an approved rubber cleaning fluid.
  - Rubber cleaning fluid is a locally sourced common product used in the tire service process.
2. Clean the wheel (flange and bead seat area), see Figure 2. Make sure to clean off all rust and corrosion.
3. Apply an approved tire lubricant to the tire and wheel in the areas shown in Figures 1 and 2.
  - Tire lubricant is a locally sourced common product used in the tire service process.

### Tire:

- Apply lube to the inner bead **only**, of both beads.
- **Do not** apply lube to the flange area (outer bead area).

**NOTE:** Too much tire lubricant may allow the tire to slip on the rim while driving. If this occurs, the tire may become un-balanced.

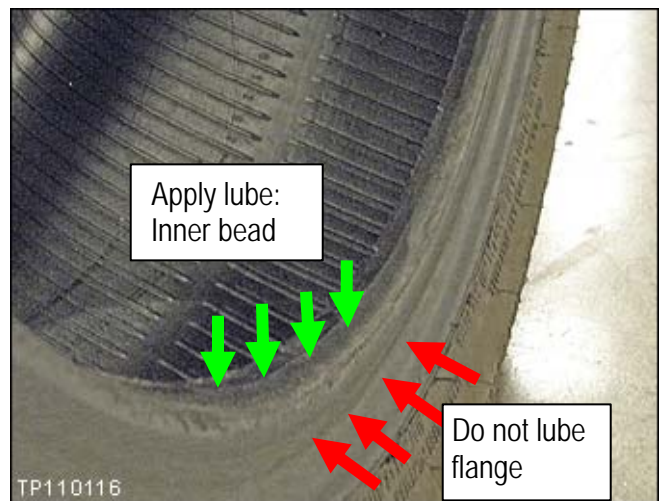


Figure 1

### Wheel:

- Apply lube to the Safety Humps and Bead Seating area
- **Do not** apply lube to the flange area.

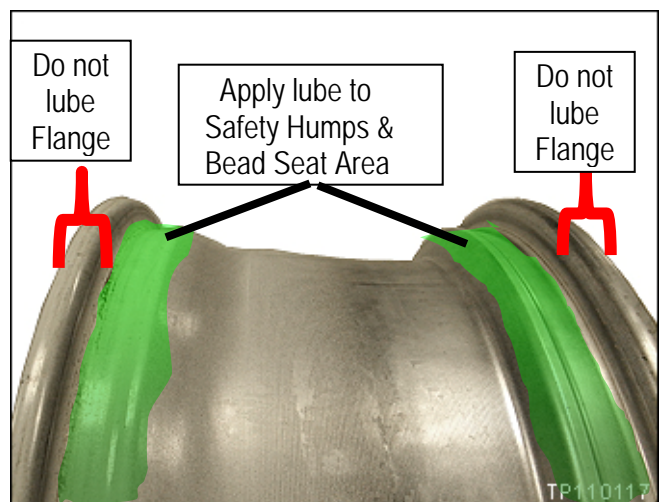


Figure 2

4. Before inflating the tire:

- If there are “match-mount” marks on the tire and rim, align the marks.

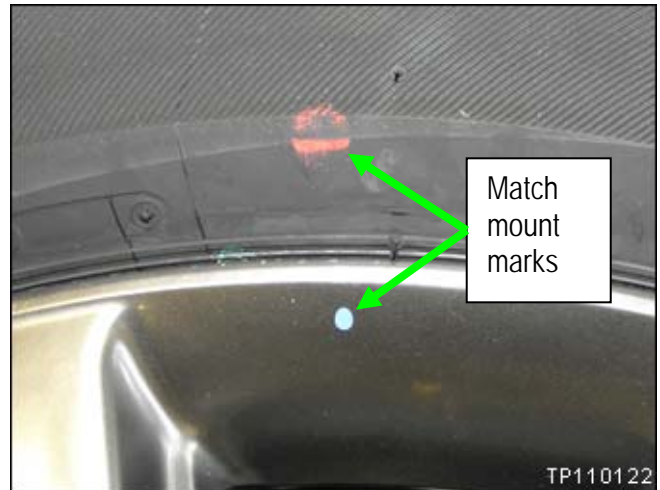


Figure 3

- Make sure the tire is evenly positioned on the lower safety humps.



Figure 4

5. **WARNING:** Do not exceed the tire manufactures recommended bead seating inflation pressure. Generally this is 40psi.

If the bead does not seat with the appropriate pressure:

- a. Break down the tire/rim assembly.
- b. Re-apply lubricant as shown in Figures 1 and 2 on page 2.
- c. Remount the tire.

6. After inflating the tires, inspect the bead area.

- Make sure bead is seated uniformly (the same) around the entire circumference of the wheel.

**NOTE:** Many tires have Aligning Rings that will help confirm the bead is uniformly seated.

If uniform; bead is seated correctly.

If not uniform;

1. Break down the tire/rim assembly.
2. Re-apply lubricant as shown in Figures 1 and 2 on page 2.
3. Remount the tire.



Figure 5

7. After the tire/wheel is balanced, apply an index mark to the tire at the location of the valve stem (see Figure 6).

- This index mark will allow you to tell if the tire has slipped on the rim (see Figure 7).

#### Tire to Rim Slippage:

- Too much tire lubricant may allow the tire to slip on the rim while driving. If this occurs, the tire may become un-balanced.
- Overtime the tire lubricate will dry, eliminating the lubricant as a cause of tire slippage.
- Some tire lubricants may require up to 24 hours to completely dry.
- If slippage occurs, the tire/wheel will need to be re-balanced.



Figure 6



Figure 7

## WORK AID – AVOID CUSTOMER RETURNS FOR VIBRATION

Print this page and keep it by your tire mounting equipment.

