



# 2004-2008 Mazda RX-8 Tire Rotation

Over time, tires will wear down in unusual places depending on the car. This guide will teach you how to rotate the tires safely and securely.

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## INTRODUCTION

In this guide, we will be teaching you how to rotate the tires on your Mazda RX-8 04-09. Remember there are lots of sharp metal pieces of a car, so be careful when doing your repairs.

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### TOOLS:

- [Hydraulic Floor Jack](#) (1)
  - [Jack Stands](#) (1)
  - [Socket Wrench](#) (1)
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## Step 1 — 2004-2008 Mazda RX-8 Tire Rotation



- Loosen lug nuts with the socket/wrench just until they begin to turn.
- ☑ Removing lug nuts requires a 21mm socket.

## Step 2



- Place Jack under the car (as shown).
- ⚠ It's best to avoid using the jack included with the car. If at all possible, use at least a 2 ton floor jack.
- Use the Jack Handle to crank up just enough so that the tire noticeably lifts off the ground.

### Step 3



- Put the jack stand under the car to ensure the car will not fall back down while you are working on it.

### Step 4



- Remove all lug nuts holding the wheel on the car.



## Step 5



- Remove the front wheel from the vehicle.

## Step 6



- With the front wheel off repeat step 4 and step 5 to remove the rear wheel as well.

## Step 7



- Place the rear wheel on the front of the car and place the front wheel in the rear. Tighten up the lug nuts and your tire rotation is complete.
  - Begin to tighten the lug nuts as much as you can with the wheel in the air, and then lower the car to the ground to finish tightening.
- ⚠ Tighten the nuts in a star pattern to avoid over tightening one side leaving the wheel installed crooked
- ⚠ Mazda recommends that the lug nuts be torqued to 108 ft\*lbs to ensure that the wheel is secure

Verify a second time that every piece nut is secure and tight. You may have to do this again in the future.