



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.

TOOLS:

- [Hydraulic Floor Jack](#) (1)
- [Jack Stands](#) (1)
- [Socket Wrench](#) (1)

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.