

Rotating Tires on a 2011 Scion tC



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Manual Expectations

Rotating tires is crucial for maintaining tire longevity by allowing the tires to wear out at the same time. By rotating your tires every 5000 miles you achieve the best results for your tires. The following instructions will guide you on how to rotate your tires safely. Overall the time it takes to rotate tires thirty minutes to an hour.

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Materials Needed

- A. Tire Iron equipped with car
- B. Jack Equipped with car
- C. Jack Rod
- D. Jack Stands



D



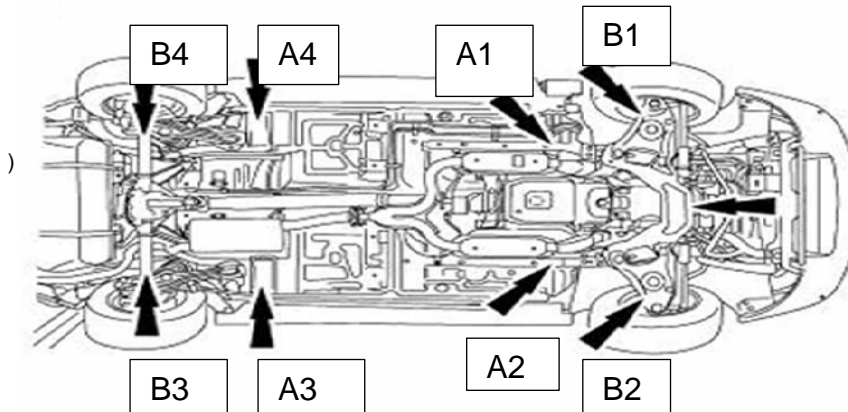
C

B

A

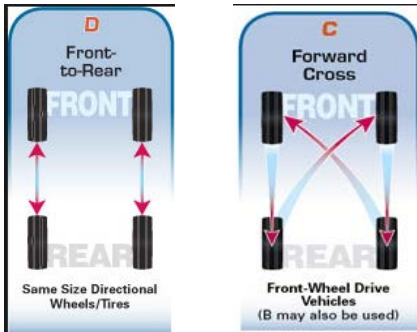
Steps to Rotating Tires

1. .Make sure car is on flat ground
2. Put the parking brake on. Changing/rotating tires on an uneven surface can result in injury or rolling the vehicle.
3. Use the tire iron and loosen all lug nuts on all of the tires by making one full rotation counter clockwise.
4. Lift the car up with the jack where the jack points are at. (figure 1)
5. Once the car is lifted, place 4 jack stands on metal frame to avoid damaging the vehicle. See figure 1.



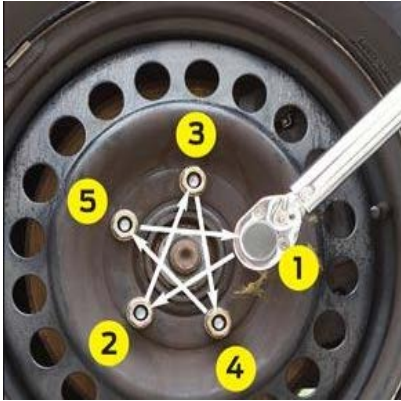
(Figure 1

6. Once the car is lifted on all four sides take the tire iron and remove all lug nuts of the vehicle while removing each tire.
7. On the first tire rotation, take the front tires and rotate them to the back.
 - a. On the second rotation take the rear tires and cross them over to the front illustrated by figure 2.
 - b. After the second rotation repeat the first rotation set.



(Figure 2)

8. Put the tires back onto the vehicle, and start tightening the lug nuts by hand.
9. Take the tire iron and tighten the lug nuts following a star shape pattern illustrated by figure 3.
10. Once all the lug nuts are tight remove the jack stands and go through and make sure that all the lug nuts are tight still following the star shape pattern.



(Figure 3)

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Clean up

Once the tires are tight, lower vehicle to the ground.

Go through and make sure as a final check that all the lug nuts are tight.

Once you are sure that all lug nuts are tight, put the tire iron, and jack back in the trunk for storage.

Troubleshoot Page

