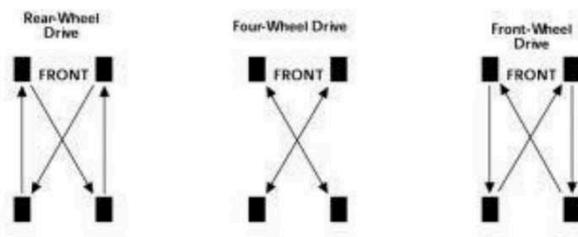


## TYRE ROTATION

Tyre rotation is the practice of moving the Tyres and wheels of your vehicle from one position to another. This is because each Tyre on your car typically supports a different amount of weight, and your driving patterns will typically wear out one Tyre faster than the others. For example, most modern vehicles carry the engine in the front of the car. The front Tyres carry this additional weight and, as a result, wear down faster than the rear wheels.

It is important to rotate your Tyres every 5,000 to 8,000 miles (approximately 8,000 to 13,000 kilometers). Rotating your Tyres regularly can help to extend the life of the Tyre, by causing them to wear more evenly. Tyre rotation can even help improve vehicle safety, providing equal traction on all four corners of the vehicle. If two Tyres are more worn than the others, the uneven traction could cause the vehicle to spin out in adverse weather conditions.



Rotation patterns differ depending on what kind of vehicle you drive. The best place to check is in your vehicle's owner's manual. Above is a diagram showing you the most common Tyre rotation patterns, in case you are unable to find what you are looking for in your owner's manual.

If your vehicle has different sizes of Tyres from front to back, or if your Tyres are directional, these may not work. Consult a professional if you are still not sure.

## **VEHICLE ALIGNMENT**

Vehicle alignment is one of the most important factors in not only vehicle care, but Tyre care. Vehicle alignment adjusts the geometry of the suspensions, making sure the angles of the wheels are set to the manufacturer's specification, both in relation to each other and in relation to the body of the vehicle. There are three types of adjustments that are made to vehicle alignment: toe, caster and camber.

Improper alignment on either the front or rear wheels can result in unusual treadwear, damage to your suspension, and unusual handling for the car. Wheel alignments should be performed every time you install a new set of Tyres, and any time you experience an impact such as a large pot hole, curb, or other obstacle. For maintenance purposes, alignment should be checked every 18,700 miles (about 30,000 kilometers).

There are several alignment types, including both two and four wheel alignment. Four wheel alignment is always recommended, but some vehicles are not able to have the rear alignment adjusted. Consult with an alignment specialist you trust to find out what's best for your car.

Warning signs that you might need an alignment are your car pulling to one side or another, and irregular Tyre wear.