

Passenger tires in the United States are available in two size designations: 'P-Metric' and 'European Metric'. The difference is easily identifiable in that P-Metric sizes begin with the letter 'P' whereas European Metric sizes have no alpha designation.

P-Metric tire load carrying capacities at various cold inflation pressures are defined by the Tire and Rim Association (TRA). European Metric tire load carrying capacities at various cold inflation pressures are defined by the European Tyre and Rim Organization (ETRTO). Because there may be some difference between these two standards, Yokohama designs and manufactures its tires to meet or exceed all applicable regulatory requirements incorporating both the TRA and ETRTO standards. Yokohama passenger car tires are provided with either 'P-Metric' or 'European Metric' size designations.

When considering tire replacement, Yokohama recommends using the following guidelines:

1. Refer to the vehicle placard and/or owner's manual to determine the correct tire size designation and cold tire inflation pressure. The original equipment tire size may be either P-Metric or European Metric.
2. ***Always select replacement tires which have equal or greater load carrying capacity at the specified vehicle placard cold inflation pressure.***
3. Always follow Rubber Manufacturers Association (RMA) guidelines for tire service and replacement. RMA publications are available on their website at <http://www.rma.org/publications>.

The following are some helpful examples:

P-Metric tire size installed as original equipment, is now being replaced with a European Metric tire size:

**2007 Ford Crown Victoria**

	<b>Original Equipment Size</b>	<b>Replace With</b>
<b>Size</b>	P225/60R16 97T, 32 psi front and rear	235/60R16 100T (or higher speed rating)
<b>Maximum Tire Load and Inflation</b>	1609 lbs. @ 35 psi 1521 lbs. @ 32 psi	1764 lbs. @ 36 psi 1587 lbs. @ 32 psi

European Metric tire size installed as original equipment, is now being replaced with a P-Metric tire size:

**2007 Volkswagen Jetta**

	<b>Original Equipment Size</b>	<b>Replace With</b>
<b>Size</b>	205/55R16 91H, 34 psi front and rear	P215/55R16 91H (with same load index, but larger P-Metric tire)
<b>Maximum Tire Load and Inflation</b>	1355 lbs. @ 36 psi 1287 lbs. @ 34 psi	1355 lbs. @ 35 psi 1336 lbs. @ 34 psi