

## **TIRE INFLATION AND SAFETY**

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A serious injury or even death may result from tire failure due to improper inflation.

Improper mounting could result in the explosion of the tire/rim assembly.

Tires should be mounted by trained individuals only.

The inflation pressure enables a tire to support the load and to control the vehicle. Therefore, proper inflation is critical. With the right amount of inflation pressure, the vehicle and the tires will achieve their optimum performance, in addition to tire safety. This means the tires will wear longer and improve vehicle fuel consumption. Note that some vehicles may have different cold inflation pressures for tires on the front and rear axles. The recommended inflation pressures for tires are typically measured in pounds per square inch (psi) and are based upon the weight placed on the tire.

### **How to Mount a Tire**

- Only specially trained individuals should mount tires.
- Refer to the USTMA (United States Tire Manufacturer's Association) for procedures for de-mounting and mounting medium/heavy truck tires. Understand the procedures and safety warnings before proceeding with de-mounting, mounting and inflating tires.
- Always lubricate both beads and rim flanges with approved rubber lubricant before mounting a tire on a rim.
- Always match rim diameter with tire diameter. Mount tire only on the proper size rim.
- Never inflate a medium/heavy truck tire that is lying on the floor or another flat surface.
- Always use a tire mounting cage with a hold down device.