



# COMMERCIAL FLEET TIRE DIGEST

*The authoritative guide to reducing commercial tire expenditures from  
Pressure Systems International,  
the manufacturer of the Meritor Tire Inflation System by PSI™*

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## Radial Tire & Wheel Service Manual

A spiral bound copy of Volume II of the **Commercial Fleet Tire Digest** is now available.

Visit our website to receive your free copy.

Recently, the Technology & Maintenance Council (TMC) of the American Trucking Association published their new bible for the trucking fleet maintenance shop and we recommend it for any fleet running their own service facility. The Radial Tire & Disc Wheel Service Manual is one of those "everything you ever wanted to know" reference books covering radial tires and disc wheels. What makes this manual so special is that it was edited by the leading tire and wheel experts in the field today. All this valuable information can now be found in a single 200-page glossy bound book complete with hi-resolution color photos. When it comes to better understanding proper procedures & guidelines for selecting, servicing, and maintaining tubeless radial tires and disc wheels on Class 6 – 8 commercial vehicles, this is the must-have book.

There are four (4) major sections plus an appendix that includes a glossary of terms, tire recordkeeping codes, tire locations codes, DOT & OSHA regulations effecting tires and wheels.

**Section I** is dedicated to basic information about tires, wheels, valve stems, and factors affecting tire life. For every mechanic that works with tires & wheels, Section I is a great background of fundamental knowledge. How to read a tire sidewall, matching tires and inflation pressure, and how to care for aluminum wheels are all important tools to help make the correct decisions when it comes to your tire program. The Factors Affecting Tire Life sub-section will allow the fleet to determine how to maximize their tire

removal miles.

**Section II** covers proper service procedures. Proper mounting and demounting tires are discussed in detail. Understanding the details of vehicle jacking and lifting is critical if you wish to minimize OSHA related incidents in your fleet. Inspecting wheels and valve stems is very important along with how to do a proper scrap tire analysis. Scrap tires can tell you a lot about your fleet operations. Tire & wheel assembly balance & run-out are also reviewed in this section.

**Section III** deals with tire and wheel maintenance. How to measure tread depths & everything you wanted to know about tire inflation pressure are detailed here. Alignment, irregular tire wear and even how to properly store your tires are included. Retreading & steel wheel refinishing are two other important subjects covered in this section.

**Section IV** is about tire/wheel management programs to help you accurately calculate tire cost/mile. You will also learn about how to run a proper tire evaluation at your fleet.

The successful fleet manager can utilize this manual for an on-going training program with drivers and mechanics. It is a valuable investment for every fleet.

How to order:  
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## Q&A PSI ANSWERS YOUR QUESTIONS

**Q.** What is the difference between TPMS and ATIS inflation systems?

**A.** TPMS refers to "tire pressure monitoring systems". These systems alert the driver of their individual tire pressures. Sometimes these systems tell the exact air pressure of each tire while other systems have a red light/green light display button. Human intervention is required to find/add air when the tire is low. ATIS are "automatic tire inflation systems". Air is AUTOMATICALLY add to the tire whenever the tire is below the spec air pressure deter-