

TPMS Can Save Lives

Most people ignore their tires, yet tires are undoubtedly a critical safety component on a vehicle. Where the rubber meets the road affects traction, handling, steering, stability and braking. Because of this, a sudden tire failure can have serious consequences, especially if it occurs when operating at highway speeds.

- Nearly 250,000 accidents occur in the United States per year due to low tire pressure.
- About 75 percent of roadside flats are preceded by a slow leak or under inflation.
- According to a recent survey, America could reduce its fuel consumption by 10 percent and save a collective \$2 billion a year by keeping tires properly inflated.
- A tire can lose up to half of its air pressure without appearing to be under inflated.
- NHTSA estimates that tire pressure monitoring systems could prevent as many as 79 deaths and 10,365 injuries each year in the United States.



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Inflate Your Sales

With Schrader® AirAware™

Tire Pressure Monitoring Systems,
Tools and Components



Inflate Your Sales with Schrader® AirAware™ TPMS Products

Schrader Tire Pressure Monitoring System (TPMS) components and tools offer professional repair technicians new opportunities to increase business and improve driver safety. We have everything you need to service TPMS equipped vehicles.

The TREAD Act, which stands for the Transportation Recall Enhancement, Accountability and Documentations Act, mandates that all passenger cars and light trucks sold in the U.S. be equipped with TPMS as standard equipment. The TREAD Act affects passenger cars, light trucks and buses less than 10,000 pounds gross vehicle weight.

Twenty million vehicles are already equipped with TPMS and the number is going to grow in the coming years. Now is the time to get in on this growing business opportunity!

TREAD Act requirements:

- 20 percent of 2006 model year vehicles must be equipped with TPMS
- 70 percent of 2007 model year vehicles must be equipped with TPMS
- 100 percent of 2008 model year vehicles must be equipped with TPMS

Direct and Indirect TPMS

TPMS systems alert drivers when the pressure in a tire falls more than 25 percent below the manufacturer's recommended tire pressure. Auto manufacturers currently use two types of TPMS, indirect and direct systems. Indirect systems use the vehicle's ABS system to approximate tire pressure.

The direct systems offered by Schrader are much more accurate. Direct systems use pressure-sensing transmitters attached to the rim, tire or tire valve to transmit tire pressure data to the vehicle's on-board computer via radio signals. Tire pressure status is then displayed on the dashboard.

How to Identify TPMS Equipped Vehicles

Vehicles equipped with TPMS can be identified by these traits:

- TPMS indicator illuminates when the vehicle is started
- Tire pressure is displayed on the dashboard
- Tires and rims can be scanned with an electronic tool to identify sensors

Schrader® AirAware™ TPMS Products

Schrader offers a full line of TPMS systems, components and tools that meet OE quality and performance specifications.

TPMS Sensors

Schrader TPMS sensors measure tire pressure and temperature. Schrader offers a growing range of replacement sensors that are designed for specific vehicle makes, models and years. Additional sensors will be added to the line as they become available.



Service Packs

Schrader service packs include everything you need to properly service TPMS equipped tires and rims. Service packs are tailored to specific vehicle makes, models and years.



They include sealing components such as caps, cores, grommets and nuts.* OEM specifications call for these components to be replaced every time tires and rims on TPMS equipped vehicles are serviced.

AirAware™ TPMS Tools

Schrader tools are designed for the professional installer. They're essential to properly service TPMS equipped vehicles. Schrader torque wrenches properly install:

- Sensor nuts to specified torques
- Valve cores to new specified torques
- Sensors to valve stems at specified torques

Learn & Test Tools

Offer two primary functions:

- Confirm sensors are functioning properly prior to servicing vehicle.
- Program the vehicle's electronic control module (ECM) to learn the position of wheel sensors whenever wheels and tires are rotated or when a sensor is replaced.



Schrader® AirAware™ TPMS Protocol Guide

Contains TPMS descriptions and operation specifications listed by vehicle make, model and year. Includes activation, reset and re-learn procedures, sensor dismounting and mounting instructions and special tool requirements for each vehicle. A "must have" for any shop that performs tire service on late-model vehicles equipped with TPMS.

AirAware™ Retrofit Kits

Schrader's retrofit kits install TPMS on vehicles not equipped with OE systems. Each stand-alone system includes a dash-mounted receiver display and four wheel-mounted transmitters that fit most wheel applications. Schrader offers two kits: hard wired to switched wires and wireless (battery operated).



Schrader has everything you need to service the growing TPMS market. Don't let this opportunity pass you by! Contact your local Schrader representative or visit www.schrader-bridgeport.com/airaware for more information.

**Always tighten nuts to OE specified torques and use nickel-plated electroless valve cores in aluminum valves to prevent galvanic corrosion of sensor.*

Schrader sensors and service pack sealing components are highly engineered OE validated TPMS components. Schrader can not endorse the use of non-OE validated parts. Schrader has not validated testing of the compatibility of any other product for fit and suitability of use. Always follow manufacturers' service guidelines.



Global leader in TPMS technology.