



TIRE PRESSURE MONITORING SYSTEMS

NSF International has expanded its tire pressure monitoring system (TPMS) services to include an independent registration program. TPMS registration provides 3rd party assurance to consumers, shops and insurance companies that an aftermarket TPMS sensor meets all applicable Federal requirements and will fit and function properly in a manner equivalent to the original equipment (OE) sensor on the vehicle(s) intended for use.

To earn NSF registration, TPMS sensors must meet the following requirements:

- Compliance with FMVSS 138 (Federal Motor Vehicle Safety Standards). Testing is performed on at least one (1) vehicle per protocol for each sensor.
- Functionality and performance testing which includes accurate location reporting, sensor accuracy, low pressure warning repeatability and sensor ID write test for sensors with cloning capabilities.
- Compliance with Code of Federal Regulations Title 47 Part 15 “Radio Frequency Devices.”

BENEFITS OF TPMS REGISTRATION

- NSF TPMS registration allows manufacturers to demonstrate to consumers and regulators that they can trust that tire pressure monitoring sensors fit and are functioning properly.
- Tire pressure sensors that meet all federal regulations and functional requirements will be listed on [NSF's website](#).
- NSF registration sensors will also appear in Tiremetrix's TPMS Manager®, providing shops with the background they need to service vehicles equipped with direct TPMS. Tiremetrix is a leader in TPMS software development. Having Tiremetrix's TPMS Manager® software highlight NSF registration sensors that have met federal regulations and functionality requirements will help shops identify high quality sensors.



According to a 2003 U.S. Department of Transportation's National Highway Traffic Safety Administration (NHTSA) report, an estimated 414 fatalities, 10,275 non-fatal injuries, and 78,392 crashes occurred annually due to flat tires or blowouts before tire pressure monitoring systems were installed in vehicles.¹

NHTSA estimates that TPMS reduces by half (56%) the likelihood that a vehicle will have one or more severely underinflated tires.²

WHY PARTNER WITH NSF

Our history of testing and certifying products for over 70 years ensures that certified automotive parts meet rigid quality, safety and performance standards. Manufacturers of high quality parts can distinguish their parts and brand, compared to others in the marketplace, by using NSF certification to show equivalency to OEM service parts in form, fit and function.

In addition, we have global reach and automotive expertise:

- We have a global presence with strategically placed offices in key automotive markets in Asia, Europe, Australia and North America.
- Insurance companies worldwide recognize and support NSF certified parts for collision parts replacement.
- NSF knows the automotive industry. NSF International Strategic Registrations (NSF-ISR) is recognized globally as one of the premier registrars of automotive manufacturing facilities. NSF-ISR's extensive automotive client list includes both OEMs and major parts manufacturers.
- NSF offers services throughout the auto supply chain, including parts certification, distributor certification and collision repair shop certification.

CONTACT US

For more information, please call +1 (734) 214-6290, email autocert@nsf.org or visit nsfautomotive.com.

¹ Source: <http://www.nhtsa.gov/cars/rules/rulings/TirePresFinal/FEA/TPMS4.html>

² Source: <http://www.nhtsa.gov/nhtsa/SafetyInNum3ers/june2013/theProblemJune2013.html>