

What is a TPMS?



TPMS or Tire Pressure Monitoring System is a safety device that measures tire pressure and temperature to identify potential danger. TPMS warns the driver when one or more tires is significantly under-inflated.

TPMS Can Save Lives, Fuel and Money.

Tires are one of the most critical safety features on a vehicle yet most people ignore them. Tires influence the vehicle's ability to handle, steer, brake, and maintain stability.

If tires are under-inflated safety is compromised. Sudden tire failure can have serious consequences, especially at highway speeds.

Did you know?

- There's a flat tire for every 46,000 miles driven
- Three out of four roadside flats are preceded by a slow leak or under-inflation
- It's estimated that low tire pressure is responsible for nearly a quarter of a million accidents annually
- Damage to the TPMS system can be caused by hitting a pothole or curb, even from a normal tire change
- Sensor damage or failure may occur from day one of vehicle ownership

Tire Pressure Monitoring Sensors Keep You Rolling

TPMS

TIRE PRESSURE MONITORING SYSTEM



ECHLIN®



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We Have Your Tire Pressure Sensor.



NAPA Echlin offers a full line of perfect-fit Tire Pressure Sensors.

Types Of Tire Pressure Monitoring Sensors

TPMS systems help protect consumers by raising awareness of tire pressure, resulting in proper tire maintenance. Proper tire inflation leads to better vehicle handling, decreased tire wear and improved fuel efficiency. Always check the TPMS when you rotate tires.

Valve Stem Type Direct TPMS

Located on the back of the valve stem, direct TPMS systems use four tire pressure sensors and a receiver to monitor and relay information about air pressure, temperature, location, and battery charge to the ECM. The ECM decodes this data illuminating the TPMS warning light when one or more tires are significantly under-inflated. (25% of vehicle recommended air pressure or 20 psi, whichever is greater).

VALVE
STEM



Valve Stem TPMS Kits

Valve stem TPMS sensors require new hardware kits to be installed whenever a tire is changed. These kits consist of a new seal, washer, valve nut, valve cap, and a nickel-plated valve core (Use of regular brass valve cores will cause galvanic corrosion of the TPMS sensor).

VALVE
STEM
KITS



Banded Type Direct TPMS and Accessories

TPMS systems utilizing banded style sensors operate identically to those using the valve type - the only difference is how and where the sensor is mounted. Banded sensors are mounted directly to the wheel by a band and a carrier located inside the tire 180° from the valve stem; important to ensure safe removal of the tires. Replacement bands and carriers are available in the event that the originals become damaged or replacement wheels are installed on the vehicle.

BANDED



Indirect TPMS

Indirect tire pressure monitoring systems use the vehicle's existing four wheel anti-lock braking components in conjunction with specialized calculations to determine if a tire is significantly under-inflated.

INDIRECT



TPMS
TIRE PRESSURE MONITORING SYSTEM



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