

V O L V O

Optimized for fuel efficiency

Tire Pressure Monitoring System



Low tire pressure can be a major contributor to decreased fuel efficiency. The tire pressure monitoring system helps the driver track tire pressure on the truck. Sensors check tire pressure every 10 seconds and update data in the Driver Information Display every minute.

System components

The system consists of three primary components on the chassis: individual valve-mounted sensors, a Wireless Gateway, and a range extender for full coverage of the truck tires.

Wirelessly connected

Our system features a stand-alone electronic control unit (ECU) that integrates with the truck's electronic architecture.

Two options

Our Standard monitoring system provides pressure and temperature warnings for the truck tires, along

with valve sensor low battery warnings. Choosing the optional Advanced monitoring system adds auto location learning for installation and rotation of tires.

Standard Tire Pressure Monitoring System

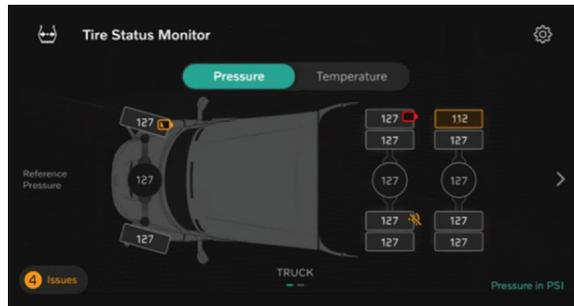
- **Tire pressure and tire temperature warnings, based on each tire location**
- **Valve sensor low battery warnings**

Advanced Tire Pressure Monitoring System

- **All Standard TPMS features plus auto location/learning feature for installation and rotation of tires**

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Warnings

Warnings are sent to the driver in stages: under-pressure warnings, low tire pressure warnings, and high temperature warnings. Tire pressure values are set based on the requirements of the tire OE for the tires provided with the truck at delivery.

The owner's manual includes information on how to adjust the pre-programmed tire pressure values when tire brand or configuration is changed: for example, changing from dual mounted to super singles or to a different tire/tire size that requires different pressures.

Valve-mounted sensors

The sensors are mounted to the wheel using a flow-through screw that fastens into the tire valve. Each sensor

contains a battery and transmits information (temperature and pressure) every 10 seconds while in motion. If there is a case of rapid deflation, the sensor will transmit info every second.

Wireless Gateway

The Wireless Gateway is a chassis-mounted component that pulls data from each tire pressure sensor and sends this data to the vehicle.

Range extender module

This range extender is mounted at the rear of the truck frame to better collect transmitted data from rear tractor tire modules.

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|---------------------|--|
| Tire monitoring | Occurs every 10 seconds (Every second in fast-deflate mode) |
| Driver notification | Updated every 60 seconds in Driver Information Display (Every second in fast-deflate mode) |
| Sensor battery life | Designed for a minimum of 6.5 years of battery life in general use profiles |

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Some vehicle options and services may not be available at time of introduction.

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