

**SmarTire**<sup>®</sup>  
Tire Pressure Monitoring System  
by **Bendix CVS**

Avoid blowouts and costly delays with SmarTire<sup>®</sup> Tire Pressure Monitoring System (TPMS) by Bendix CVS



**Nearly 90% of all tire failures are from under-inflation.**

An unplanned service call due to tire failure can cost over \$800 for on-the-road repairs. Beyond the risk of blowouts, did you know that over the course of one year, a tire that is under-inflated by just 10% can result in an extra \$1,000 in fuel per truck?






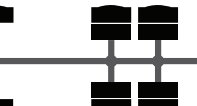

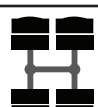


**SmarTire<sup>®</sup> is your solution.**

**Bendix**

# SmarTire® TPMS Retrofit Application Guide

Be alerted to tire problems before they happen with SmarTire® TPMS. SmarTire sensors are mounted on the tire rims, providing immediate and accurate warnings on both low pressure and high temperature. Because it temperature compensates, SmarTire TPMS provides meaningful alerts even after the truck has been on the road for hours, warning drivers of potential blowouts before it's too late.

Axle Configuration	Part Number	Stand Alone Harness*	CAN Ready Harness**
Tractor/Truck		<i>Harness does not tie into the vehicle CAN Bus</i>	<i>Harness is designed to tie directly into the vehicle CAN bus</i>
6x4 	108.1206	X	
	108.2206		X
6x4 	108.1010	X	
	108.2010		X
4x2 	108.1204	X	
4x2 	108.1006	X	
Bus 	108.1008	X	
6x6 	108.1012	X	
<b>Trailer-Link System</b>			
2 axle trailer 	108.1604	X	
2 axle trailer 	108.1408	X	

\*The ECU will not be accessible via the vehicle diagnostic connector. A separate harness is required (108.9003) to access the ECU via Bendix® ACom® Diagnostic Software. Tire messages are not available on the CAN bus.

\*\*Enables configuration via ACom through the vehicle diagnostic connector. Tire messages are available for telematics devices to monitor and relay data to the back office (requires integration via your telematics provider).

# SmarTire® OEM Option Codes for New Vehicles

Truck Make	Model	Display Type	Datacode Notes	TPMS System Databook Code	TPMS Sensor Databook Code																
Freightliner®	Cascadia® CA113DC CA125DC CA113SLP CA125SLP	Bendix 2" Gauge	Both codes needed, not available individually	489-023	50W-001																
Kenworth®	T660 T680 T700	Integrated into main dash display	Must select code for base system and code for the number of wheels	8702222	<table border="1"> <tr><td>489002</td><td>2 Tires</td></tr> <tr><td>489004</td><td>4 Tires</td></tr> <tr><td>489006</td><td>6 Tires</td></tr> <tr><td>489008</td><td>8 Tires</td></tr> <tr><td>489010</td><td>10 Tires</td></tr> <tr><td>489012</td><td>12 Tires</td></tr> <tr><td>489014</td><td>14 Tires</td></tr> <tr><td>489016</td><td>16 Tires</td></tr> </table>	489002	2 Tires	489004	4 Tires	489006	6 Tires	489008	8 Tires	489010	10 Tires	489012	12 Tires	489014	14 Tires	489016	16 Tires
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489014	14 Tires																				
489016	16 Tires																				
International®	ProStar® TranStar® LoneStar®	Based on code selected	Select only one code based on the display being used	16VHY	16VHT																
Peterbilt	567 579 587	Integrated into main dash display	Only one code required	1683220																	
Volvo	VNM VML	Integrated into main dash	Only one code required	1E-A1																	

Note: All factory installed SmarTire® TPMS systems are connected into the vehicle databus, allowing monitoring of TPMS data by telematics providers. Please contact your telematics provider for more information about their capabilities to monitor and off-board SmarTire TPMS data and alerts.

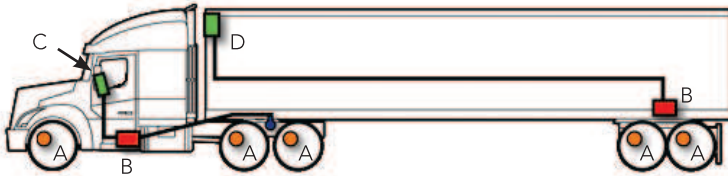
The Bendix® warranty is 36 months, 350,000 miles (560,000 kilometers) or 10,800 hours, whichever occurs first. For specific warranty details, visit [bendix.com](http://bendix.com) and search for BW2785 on the document library.



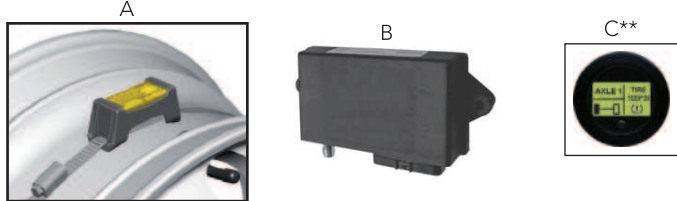
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# SmarTire® Tire Pressure Monitoring System by Bendix CVS

## How the SmarTire® System Works...



**On the tractor/truck:** SmarTire® uses wheel-mounted sensors in the tires, plus a wireless receiver to provide both tire pressure and temperature information to an in-cab display. The SmarTire system alerts the driver when tire pressure gets too low, or the temperature gets too high.



**On the trailer:** Wheel-mounted sensors in the tires – along with another wireless receiver on the trailer – “read” the tire conditions and provide a lighted indication on a trailer-mounted lamp that the driver can check in their side mirror.

A - Sensor    C - In-Cab Display  
B - Receiver    D - Trailer Lamp Display

## How SmarTire Alerts Work

The SmarTire system can identify the exact wheel-end triggering an alert. The driver is alerted by a flashing LED warning light and an icon on the display.

### Pressure Deviation Alert\*\*



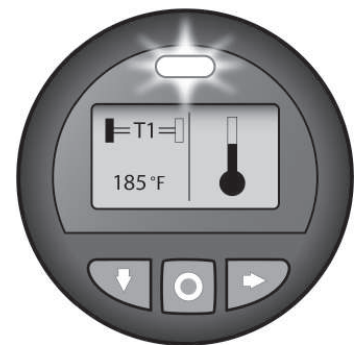
15% below target  
tire pressure\*

### Critical Low Pressure Alert\*\*



20% below target  
tire pressure\*

### High Temperature Alert\*\*



Occurs when a tire's  
contained air temperature  
exceeds 185°F (85°C)\*

\*Example only. Alert levels can be customized to meet your fleet's needs.

\*\*These alerts are depicted using the Bendix display. OEM alert displays may vary.

**CAUTION:** SmarTire TPMS is unable to warn of an instantaneous tire blowout due to a road hazard or other immediate physical breaching of the wheel or tire. Operators must follow OEM and tire manufacturer guidelines for tire fitment, replacement, inspection, maintenance and repair of wheels and tires.

For complete details about the SmarTire TPMS by Bendix CVS, contact your Bendix Account Manager, call 1-800-AIR-BRAKE (1-800-247-2725), or visit [bendix.com](http://bendix.com) today.

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