

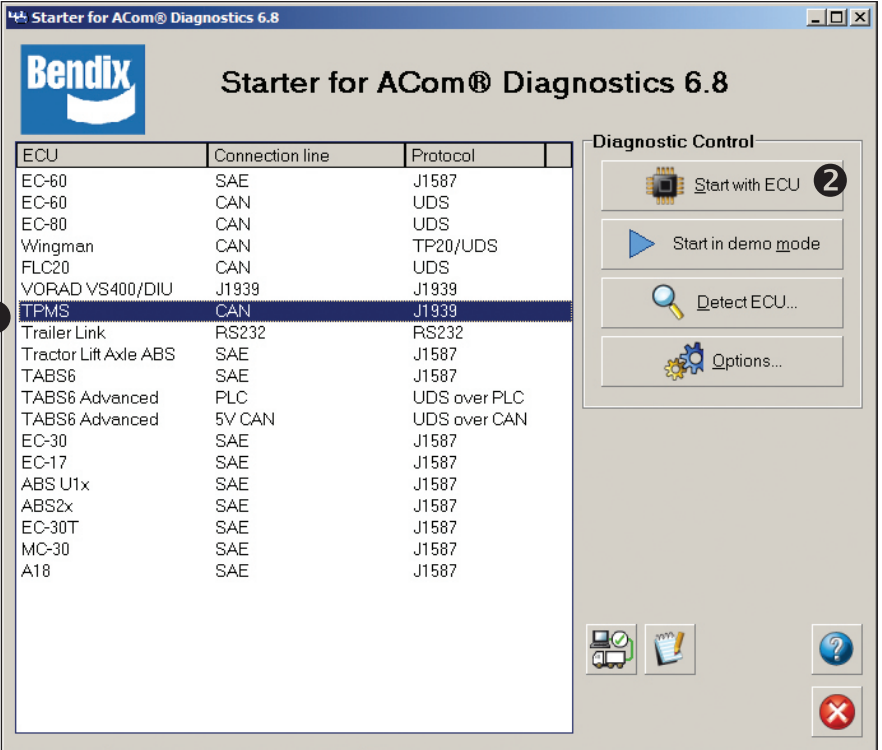
How to Configure the SmartTire[®] Tire Pressure Monitoring System (TPMS) by Bendix CVS on a New Vehicle

- For Fleet and customer satisfaction, the TPMS system must be configured correctly at delivery. Consult with your customer, and use this guide, to ensure that the system is adjusted from the OEM default, where necessary.
- Follow all standard industry safety guidelines when working on the vehicle.

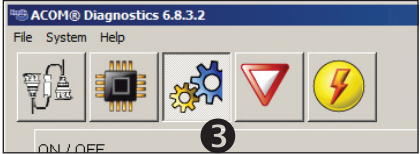
Pre-Delivery Inspection Checklist				
Complete all the fields highlighted in yellow, and store this page in the vehicle manual. The customer should retain a copy for their records.				
VIN:		Technician:		
Date Completed:		Customer:		
Input values for	Value selected	Bendix typically recommends	Reference	
Steer Axle Cold Inflation Pressure Selected	_____ psi	See tire OEM information, or fleet required setting	7	
All Other Axles Cold Inflation Pressure Selected	_____ psi			
First Alert Level (FAL)	_____ %	15%		
Temperature Compensation for FAL	<input type="checkbox"/> Enable <input type="checkbox"/> Disable	Enable		
Second Alert Level (SAL)	_____ %	20%		
Temperature Compensation for SAL	<input type="checkbox"/> Enable <input type="checkbox"/> Disable	Disable		
High Temperature Alert Level	_____ °F _____ °C	185°F / 85°C		
Sensor Auto-learn Mode	<input type="checkbox"/> Yes <input type="checkbox"/> No	No		8
Enable Trailer Learn	<input type="checkbox"/> Enable <input type="checkbox"/> Disable	Enable		9

Reference

Using Bendix[®] ACom[®] Diagnostic Software (v6.7 or higher), inspect and adjust TPMS settings. On a PC, start the software and then select the TPMS option ❶ and then click the “Start with ECU” button ❷.



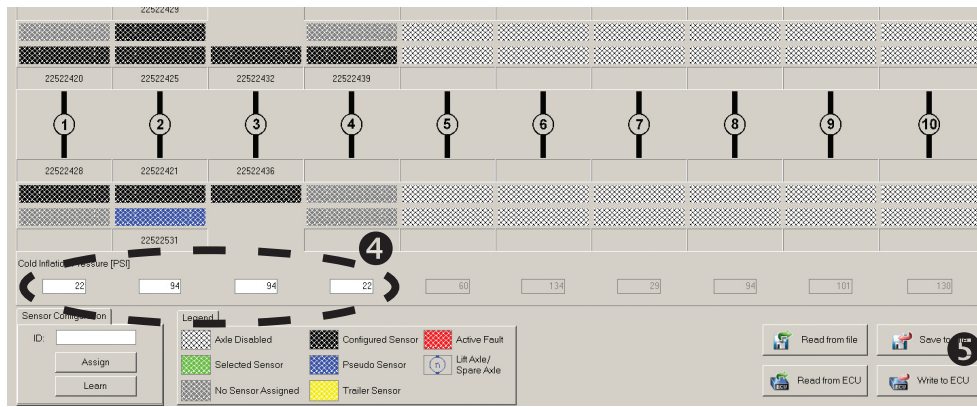
Select the “Gears” icon ❸ to display the axles and tire configuration screen.



Reference

Cold Inflation Pressure (CIP) Setup

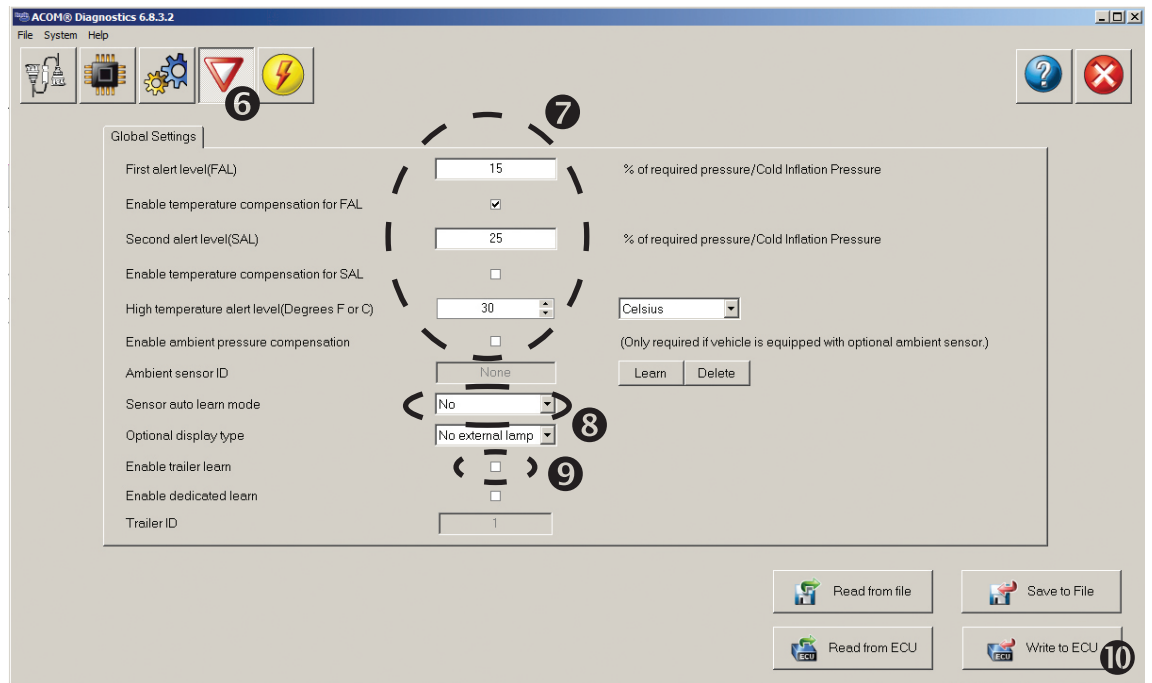
To enter the CIP values for each axle, click on the boxes highlighted next to the 4 indicator, and enter the desired values. Save these settings by clicking on the “Write to ECU” button 5.



Note: Setting the correct CIP is vital to the system as it is the value that all other alerts and warnings are based upon.

Next, select the red triangle icon 6 to bring up the Global Settings page.

Fill in the desired values for the fields shown.



Finally, select the “Write to ECU” button 10 to save the selections.

Explanation of Terms Used

First Alert Level (FAL). When the tire’s pressure varies by this (% value) from the Cold Inflation Pressure (CIP), the first alert warning is delivered.

Second Alert Level (SAL). When the tire’s pressure varies by this (% value) from the CIP, the second alert warning is delivered.

Temperature Compensation:

- When enabled, the system will use both the temperature and pressure readings when calculating the FAL. Temperature-compensated over- and under-pressure alerts are more accurate and allow the system to provide early indications of a tire with a problem — even when the tire is “hot.”
- When disabled, under-pressure alerts will only be based on the percentage of the CIP selected for the FAL, with no adjustments made.

High Temperature Alert Level. When the contained air in a tire exceeds the set temperature, this warning is delivered. (High tire temperature alerts can be a useful indicator of problems with the wheel-end components.)

Sensor Autolearn Mode. When enabled, the system will attempt to auto-connect with a replacement sensor.

Enable Trailer Learn. When enabled, the system will attempt to communicate with a trailer that is also equipped with the SmarTire® Tire Pressure Monitoring System (TPMS) by Bendix CVS, to provide to the driver the trailer information.

NOTE: The Bendix® ACom® Diagnostic Software is available as a free download from the Bendix website at www.bendix.com.

Bendix Technical Assistance Team. For direct telephone technical support, call the Bendix technical assistance team at:

1-800-AIR-BRAKE (1-800-247-2725 option 2, then 1), and follow the instructions in the recorded message.

E-mail the Bendix Tech Team at: techteam@bendix.com. Log on and Learn at www.brake-school.com.