



Diversified Metal Fabricators Service Bulletin SB 2050

Title	RW-1013 Tire Pressure Monitoring & Speedometer Settings
Document No.	SB 2050
Issue Date	3/27/07 (WAK)
Units Affected	MY 2006-07 GMC/Chevrolet 3/4-ton Suburbans
Purpose	This service bulletin details the steps required to program Tire Pressure Monitoring Systems and Speedometer settings for use with Wheel Modification Kits.

NOTE:
 This Service Bulletin has been superceded, and the relevant information is now contained in DMF Document "509009 00-10 GM C/K25HD Wheel Adapter Kit". This document can normally be found in the "Chassis and Wheel Mod" section of the RW-1013 and RW-1015 manuals

Summary:

As a result of the TREAD Act, MY2006-2007 GM/Chevrolet Suburbans are equipped with Tire Pressure Monitoring Systems (TPMS). These systems consist of a sensor/transmitter that is incorporated into the valve stem and a receiver that is integrated into the vehicle's Powertrain Control Module (PCM).

This system will give a tire pressure warning light when the system senses tire pressures +/-15% of the preset value appropriate for the installed tires. Some systems will display a text warning indicating the affected tire position and some will also indicate the sensed pressure.

These vehicles, when out fitted with RW-1013 Railgear, will be equipped with a Wheel Modification Kit which uses 19.5x6.75 Rims & 245/70R19.5 Tires. These tires are required to run higher pressures than the factory tires and the TPMS system must be re-programmed.

MY2006 and MY2007 vehicles use different sensors but are reprogrammed the same way. The MY2006 units use a screw-in sensor on steel rims that can be transferred to DMF's rims or replacement sensors can be used. MY2007 units use snap-in sensors that cannot be used with DMF's rims and must be replaced.

Process:

Install Sensors

Sensors must be installed in the DMF supplied (Accuride 28680) rims. Sensors must be equipped with an adapter grommet and washer to allow the stem to fit the larger stem holes of the provided rim.

DMF TPMS Kits

Units	DMF Kit Part #	GM Part #	Notes
MY2006	10835	20107	Sensors may be transferred



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MY2007 10836 20158 Sensor must be replaced

Kits include adapter Grommet & Washers

Please contact your GM or Tire dealer for information on properly installing sensors.

Inflate tires

Please refer to the load charts for the installed tires. Most 245/70R19.5 tires' charts do not go below 70 or 75psi. This is the minimum pressure that should be used and generally exceeds the axle loads on 3/4-ton Suburbans. Higher pressures negatively affect handling, tire wear and ride. DMF recommends tires be inflated from 70-75 (minimum on chart) to a maximum of 85psi for 3/4-ton Suburbans.

These recommendations are general in nature and operators should determine their current axle weights and consult the load charts for their particular tires.

Re-calibrating Speedometer

There are no Speedometer settings for 19.5 tires. The best setting available is for 20" rims. This has been shown to read 3-4mph high at highway speeds.

Program Tire Pressure Monitoring System

Using the Tech2 tool follow this menu path:

**Remote Control Door Lock Receiver
Module setup**

Tire Type Pressure Selection

Set front and rear tires to Load Range E
Set Tire Pressure to 80 PSI

This will allow tire pressures from 68 to 92 psi.

Re-Learn Sensor Positions

Using the Tech2 Tool or manual method, re-set the sensor positions. Refer to your GM dealer for correct procedures.

DMF will replace defective parts under DMF's warranty terms. DMF will not cover parts that have been subjected to gross overloading or blatant abuse. DMF may require the return of affected parts to determine coverage.

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