The Six Steps to Success:

Understanding the TPMS Service process
What we know about the rule

Federal Mandate, The Final Rule – April, 2005

- Requires a TPMS to notify the driver when any tire is 25% below placard
- Sensors in spare tires are not required.
- System must alert driver if there is a system malfunction.
- Placard decal must be present.

All vehicles described in the ruling, made in or sold in the U.S., must have Tire Pressure Monitoring Systems by Model Year 2008

Phased in requirement

- 20% Compliance MY 2006.
- 70% Compliance MY 2007.
- 100 Compliance MY 2008.
The Benefits to Proper Tire Pressure

- Fuel economy
- Better tread wear
- Improved handling and performance
Typical Direct TPMS
<table>
<thead>
<tr>
<th>Model Year</th>
<th>Vehicles Sold</th>
<th>Vehicles w/ TPMS</th>
<th>Vehicles w/ Sensors installed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013*</td>
<td>15,360,000</td>
<td>100%</td>
<td>15,360,000</td>
</tr>
<tr>
<td>2012</td>
<td>14,492,398</td>
<td>100%</td>
<td>14,492,398</td>
</tr>
<tr>
<td>2011</td>
<td>12,779,007</td>
<td>100%</td>
<td>12,779,007</td>
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<tr>
<td>2010</td>
<td>11,589,844</td>
<td>100%</td>
<td>11,589,844</td>
</tr>
<tr>
<td>2009</td>
<td>10,430,969</td>
<td>100%</td>
<td>10,430,969</td>
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<tr>
<td>2008</td>
<td>13,245,687</td>
<td>100%</td>
<td>13,245,687</td>
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<tr>
<td>2007</td>
<td>16,154,010</td>
<td>70%</td>
<td>10,607,807</td>
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<td>2006</td>
<td>16,561,482</td>
<td>20%</td>
<td>3,399,437</td>
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<tr>
<td>2005</td>
<td>16,997,182</td>
<td>20%</td>
<td>3,398,931</td>
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<tr>
<td>2004</td>
<td>16,913,361</td>
<td>10%</td>
<td>1,691,336</td>
</tr>
</tbody>
</table>

**Estimated No. of total vehicles with TPMS**  
96,995,416

**Estimated No. of total TPMS sensors installed**  
387,981,664*
Based on cumulative vehicles sales since 2004 and with a 5% average scrap rate each year. By the end of 2013, there will be an estimated 78,000,000 cars on the road with TPMS or approximately 315,000,000 TPMS sensors!
49 USC 30122(b) Making safety devices and elements inoperative

**DEFINITION** In this section, "motor vehicle repair business" means a person holding itself out to the public to repair for compensation a motor vehicle or motor vehicle equipment.

**PROHIBITION** A manufacturer, distributor, dealer, or motor vehicle repair business may not knowingly make inoperative any part of a device or element of design installed on or in a motor vehicle or motor vehicle equipment in compliance with an applicable motor vehicle safety standard prescribed under this chapter unless the manufacturer, distributor, dealer, or repair business reasonably believes the vehicle or equipment will not be used (except for testing or a similar purpose during maintenance or repair) when the device or element is inoperative.
TPMS is inoperative PRIOR to working on the vehicle
Alternate set wheel/tires are purchased
Service provider inadvertently breaks a functioning Sensor
After service vehicle comes back with TPMS light on

This letter responds to your letter to the Administrator on behalf of the Tire Industry Association (TIA) raising concerns that the tire industry has with the agency's tire pressure monitoring systems (TPMS) regulations. Because your letter raises legal questions, I have been asked to respond.

The letter states that the TIA represents all segments of the tire industry, including manufacturers, dealers, recyclers, retreaders, and suppliers of TPMS systems. The TIA has concerns about the performance of certain TPMS systems and believes that the agency's regulations may not be appropriate. The TIA has requested an opportunity to present its views on the matter. If you have any questions, please feel free to contact me.
What do we do now?

- Learn the six steps to proper TPMS Service
- Make a plan
- Invest in the right tools and parts
- Take care of your customers