TIRE MANAGEMENT SOLUTIONS

**WHY BAT RF?**
Lower your fuel costs and reduce vehicle downtime.

Real time information to maximize fuel economy and reduce vehicle downtime.

BAT RF provides real-time information on every vehicle in your fleet. It tracks tire inflation, mileage, fuel economy and can even track assets. The full range of active RF components allows you to instantly monitor your vehicles and make smart decisions that reduce your overall operating costs and save you money.

With BAT RF you can:
• Know exactly which tire needs air
• Track mileage and location for all of your vehicles
• Check tires on the road from your office
• Track and measure improvements
• Improve tire life
• Improve your fuel efficiency
• Reduce maintenance expenses
• Improve safety

**REDUCE COST & INCREASE SAFETY**
Bracket Selection Guide

<table>
<thead>
<tr>
<th>Axle</th>
<th>Sensor</th>
<th>Bracket</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steer</td>
<td>BAT814-0100 (Steer Tire)</td>
<td>BAT850-0022 (Hub Pilot)</td>
<td>BAT820-8000 DAS Unit (In cab Driver Alert System)</td>
</tr>
<tr>
<td>Drive</td>
<td>BAT01-816-0100 (Dual Tire)</td>
<td>BAT850-0009 (Single)</td>
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<tr>
<td>Drive</td>
<td>BAT01-815-0100 (Single Tire)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trailer</td>
<td>BAT01-816-0100 (Dual Tire)</td>
<td>BAT850-0001 (4009 Hub Cap)</td>
<td>BAT820-0000 HandBat RF (Handheld Programmer)</td>
</tr>
<tr>
<td>Trailer</td>
<td>BAT01-815-0100 (Single Tire)</td>
<td>BAT850-0002 (4195 Hub Cap)</td>
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</table>

**Informed Drivers | Safer Vehicles | Reduced Costs**

Keep your drivers in the know with the Driver Alert System. Every two seconds, AirBAT sensors monitor tire pressure. Instantly and wirelessly, they send their readings to the DAS unit in the cab, alerting the driver the very second a tire is low on air. The AirBat Driver Alert System is the simplest, lowest cost way to keep fuel and operating costs in check.
NEW STEMCO AERIS SYSTEM

Automatic Tire Inflation System
Inflation • Information • Solutions

Intelligent Transportation Systems
Aeris™ by STEMCO is an advanced automatic tire inflation system that will keep your vehicles on the road while maximizing fuel economy and minimizing tread wear. The patented sealing system is designed for long life and low maintenance, and will not compromise the life of your wheel and components by pressurizing the wheel end.

At Stemco, we are driven to create safer roadways by providing quality engineered wheel end components. Driving on underinflated tires can cause the sidewalls to weaken, paving the way for a blowout or a dangerous zipper rupture during tire service. Aeris™, with its patented rotary seal design and performance engineered materials, maintains proper tire pressure and warns the driver even when the tire has a minor leak. The system is built to last over a million miles, reducing maintenance costs while keeping your tires optimally inflated, which saves you fuel and extends tire life.

Optional “SmartSense” wheel end indicator shows driver which wheel end has problem tires(s), reducing maintenance time.

SEES YOUR SALESMAN ABOUT RETROFIT KITS!

SmartWave® Tire Pressure Monitoring Systems by Bendix®

How SmartWave® TPMS by Bendix® Works…

On the tractor/truck: Using a wireless gateway and wheel-mounted sensors in the tire, the SmartWave® TPMS system reads both tire pressure and temperature, delivering information and warnings to an in-cab dash display. Your driver can check the system as he’s cruising down the road, or the system will warn him when pressure gets too low, or heat gets too high.

On the trailer: Another wireless gateway on the trailer and wheel-mounted sensors in the tires, read what’s happening and provide a lighted indication on a trailer-mounted lamp that your driver can check in his side mirror. The lamp lets the driver know that pressure is dropping and/or heat is building, so he can address it immediately.

Why Get SmartWave® Now? Simple – Safety, Savings & a Quick Payback

Everyone is watching their dollars these days, so a quick payback on your investment is important. SmartWave® TPMS by Bendix® is the tire pressure monitoring solution that can pay for itself in as little as eight short months.

Potential notification to maintenance facilities to prepare for repairs on vehicles coming in for service

A quick ROI for your fleet
- Depending on your fleet operation, SmartWave TPMS by Bendix can payback in as little as eight short months.
- SmartWave makes maintaining proper tire inflation simple! The SmartWave TPMS System by Bendix Delivers:
  - Real-time low pressure and high heat warnings;
  - Provides early warning of pressure loss and increasing heat - before a tire is damaged or your truck is in danger.
  - Simple installation, set-up and configuration;
  - From in-shop to on-road on a tractor or truck in as little as two hours
  - Flexibility that works with all wheel and tire types;
  - No need for special wheel or valve stem installations
  - Proven components;
  - Robust, weatherproof components road tested in the harshest environmental conditions.
  - The ability to retrofit SmartWave TPMS on any tractor, truck or trailer;
  - Your trucks could be safer and saving money today
  - Communication via an J1939 vehicle network; and
  - Information from the system for operations can be delivered via telematics or download

Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Item Description</th>
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</thead>
<tbody>
<tr>
<td>BW 108.1006</td>
<td>TPMS SmarTire HP 6 wheel kit</td>
</tr>
<tr>
<td>BW 108.1008</td>
<td>TPMS SmarTire HP 8 wheel kit (Coach)</td>
</tr>
<tr>
<td>BW 108.1010</td>
<td>TPMS SmarTire HP 10 wheel kit</td>
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<tr>
<td>BW 108.1206</td>
<td>TPMS SmarTire HP 6 wheel kit - Super</td>
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<td>Single (6x4)</td>
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<tr>
<td>BW 108.1204</td>
<td>TPMS SmarTire HP 4 wheel kit - Super</td>
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<td></td>
<td>Single (4x2)</td>
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</tbody>
</table>

Not taking care of your fleet’s tires can cost you plenty – from higher operating costs and increased downtime, to customer dissatisfaction and even potential accidents.

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TIRE INFLATION SYSTEM COMPONENTS

MERITOR® TIRE INFLATION SYSTEM (MTIS) BY P.S.I.

WITH THERMALERT™ OPTION

Performance Advantages:
- The market leader for safety, fuel economy, longer tire life, reduced maintenance and increased uptime – with nearly two million tires protected
- Maintains full tire pressure to compensate for typical tread punctures and slow leaks until the driver can have repairs made – for hundreds of miles if necessary
- Faster payback – usually in less than one year
- Now available with Meritor® ThermALERT™ wheel-end heat-sensor technology
- Compatible with Meritor WABCO PLC Display for tractor-trailer communications as well as other telematic devices
- Easy to install on new and existing trailers

How to Specify Retrofit Kits:
- Determine axle manufacturer and spindle style - straight or tapered. Determine if axle has been MTIS prepped. This will indicate the series needed.
- Identify wheel size and determine axle count. Use the charts below to select the correct retrofit kit.
- See Page 7 to select the appropriate style of hubcaps. NOTE: All retrofit kits are pre-set to 100psi. Please consult the MTIS Maintenance and Installation Manual (MM14P) for additional details.

REPLACEMENT PARTS FOR MERITOR® TIRE INFLATION SYSTEM

STEMCO REPLACEMENT HOSES for Meritor® Tire Inflation System by PSI

STEMCO is pleased to announce the release of inflation system replacement hoses. These part numbers are direct replacements for the Meritor – PSI MTIS hoses.

KEY BENEFITS:
- Convenient fill/pressure check port for easy pressure checks without disconnecting a hose fitting
- Rugged, DOT approved hose material
- Performs well in high temperature environments

STEMCO P/N DESCRIPTION
ST 810-0057 Replaces Meritor PSI 31363-00 (19.5+, 140)
ST 810-0058 Replaces Meritor PSI 31373-00 (19.5+, 140)
ST 810-0059 Replaces Meritor PSI 31364-00 (17.5+, 140)
ST 810-0060 Replaces Meritor PSI 31374-00 (17.5+, Strictly)

Fill/Pressure Check Port
No need to disconnect the hose fitting!
FEATURES AND BENEFITS
Increase tire life, fuel mileage and productivity
• Directs air to tires that fall below a preset pressure level
• Helps extend service intervals for tires
• Helps reduce costly roadside service due to tire failures
• Aids in reducing run-flat failures and improving casing life
• Helps extend service intervals for tires
• Vents through the axle to help prevent wheel-end contamination
• Manual pressure check and fill available at hose end

PRODUCT GUIDE
REPLACEMENT PARTS

2 UNIT RETAIL BUBBLE PACK
2 Cat’s Eye® units with reinforced rubber/stainless steel hoses, mounting brackets, installation instructions & warranty card.

4 UNIT BOX
4 Cat’s Eye® units with reinforced rubber/stainless steel hoses, mounting brackets, “How To Read Cat’s Eye” decal, installation instructions & warranty card.

Note: Stocking highlighted, bold numbers
HOW CROSSFIRE WORKS:

The Crossfire is a pressure equalizing and monitoring valve that is mounted between dual tires. It bolts easily to the lug or hub bolts and is designed to fit on either disc (including aluminum) or spoke wheels. Properly mounted, air freely flows from one tire to the other, maintaining equal tire pressure and load distribution. With just a glance from as far as 20 feet, the Crossfire pressure equalizing valve indicates an under or over inflation problem helping you extend the life of your tires 20% or more.

- Maximizes tire life
- Decreases rolling resistance for increased fuel mileage
- Cut maintenance time due to single-point inflation and the visual pressure gauge
- Improves stability, braking and overall safety
- Installs in minutes and requires little maintenance
- Pays for itself in less than a year
- American-made and guaranteed for two years

<table>
<thead>
<tr>
<th>P/N</th>
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<tbody>
<tr>
<td>D7 CF-90-ST*</td>
<td>90 P.S.I</td>
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<tr>
<td>D7 CF-95-ST*</td>
<td>95 P.S.I</td>
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<td>D7 CF-100-ST*</td>
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<td>D7 CF-120-ST*</td>
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<tr>
<td>D7 CF-125-ST*</td>
<td>125 P.S.I</td>
</tr>
</tbody>
</table>

*Boxed with one complete Crossfire system, one box per wheel.