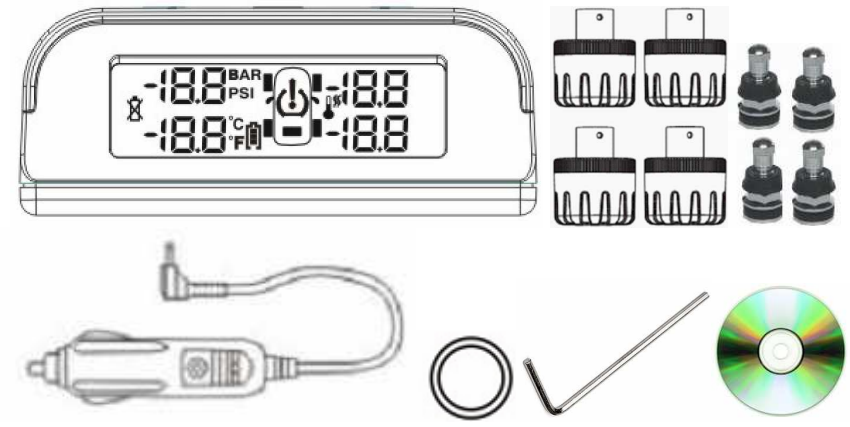
Thank you for your purchase of The HawksHead TRACK MASTER *TPMS System*

With ease of installation and a compact data monitor with clear LCD display and built in rechargeable lithium battery, The Track Master monitor has an automatic backlight for both day and night use. The monitor can handle up to 5 wheels by the addition of an extra sensor (purchased separately) beyond our 4 wheel base system for monitoring a spare tire. Designed for pressures from 16 to 50psi and temps up to 199 F

High and low pressure warnings along with high temperature warnings can be set by the user. The monitor gives both visible and audible alerts for High pressure, Low Pressure, Rapid pressure drop and high temperature. Pressure and Temperature units can be displayed in PSI, Bar and Temperature in degrees F & C..

System Components



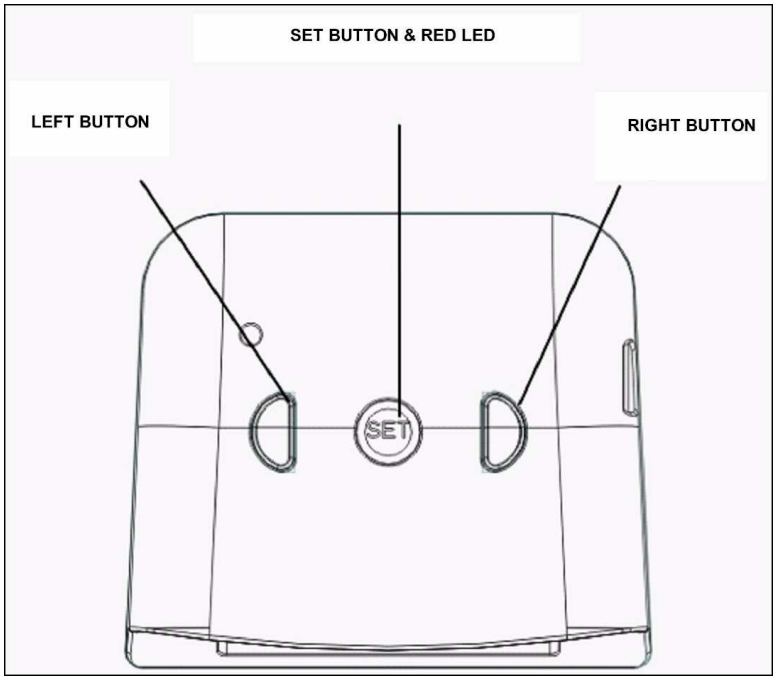
Sensors Feature

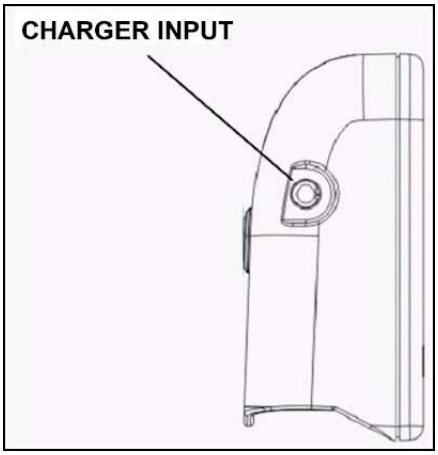
Replaceable CR1632 batteries, Simply fits to valve stem, Water and dirt resistant, Unique codes.

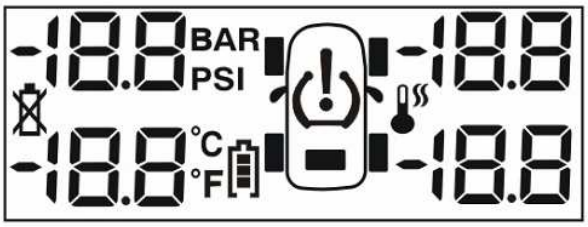
Monitor Features

Super compact screen, Automatic sleep mode, rechargeable power pack, Auto backlight

MONITOR BUTTONS & DISPLAY







Sensor Battery Low

Tire Indicator

High Temperature

Fault icon

OPERATION & SET UP

Charge the monitor for 6 hours using the charger.

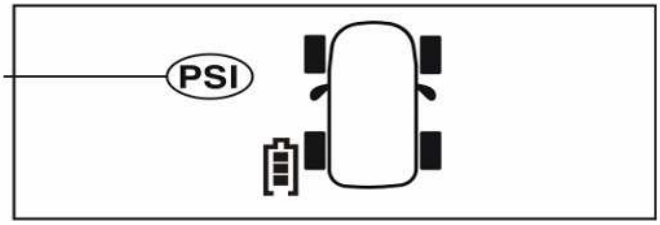
Turning the monitor on or off can be achieved by holding down the LEFT BUTTON for 5 seconds.

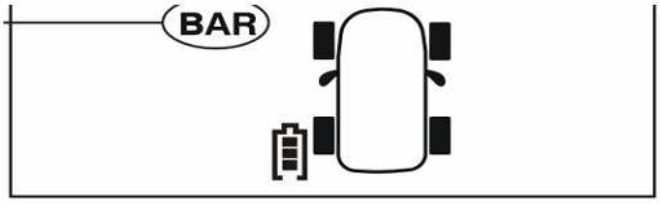
The monitor can be mounted in view of the driver by using the two sided tape supplied.

Factory presets are PSI, High Pressure alarm 46 psi, Low pressure alarm 26psi, Temp unit Degree C, Hi Temp alarm 70 degrees C. To restore factory defaults turn off the monitor , press the SET BUTTON and turn ON the monitor at the same time.

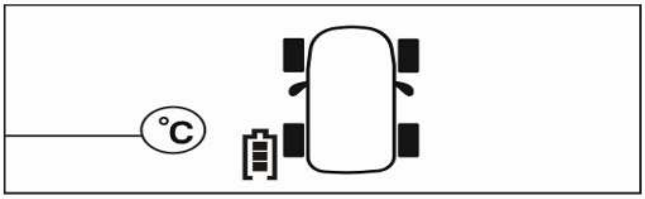
Parameter Setting

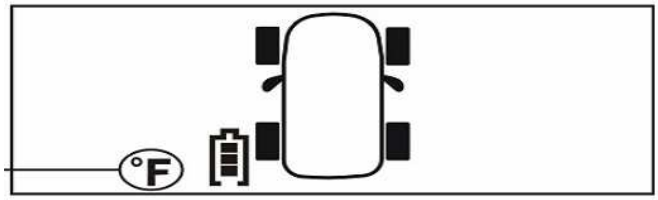
Turn on the monitor. Press the SET BUTTON for 3 seconds. It will Beep and flash the pressure setting . This can be switched between PSI & BAR by pressing the LEFT or RIGHT BUTTON



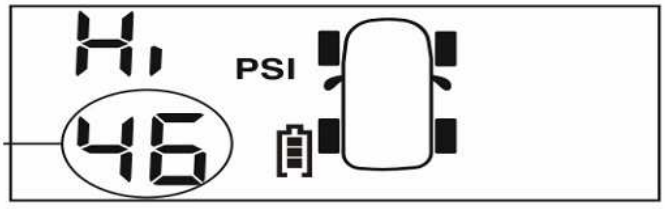


After PSI or BAR has been selected Press the SET BUTTON again to enter the Temperature setting mode. It will Beep and flash the Temperature setting. This can be switched between C & F by pressing the LEFT or RIGHT BUTTON

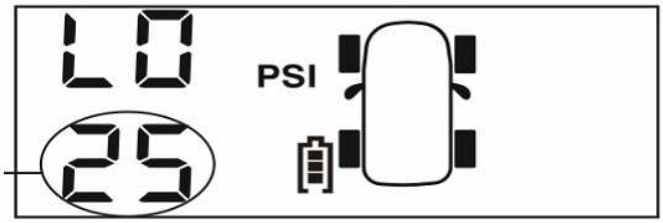




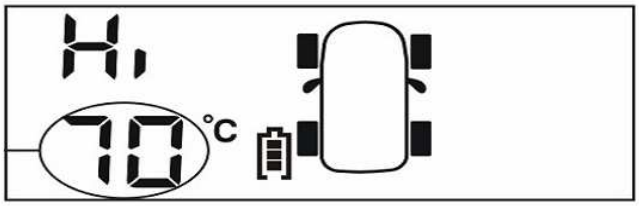
After the Temperature type has been selected Press the SET BUTTON again to enter the High Pressure setting mode. It will Beep and flash the High Pressure alarm setting. This can be increased or decreased by pressing the LEFT or RIGHT BUTTON



After the High alarm has been set Press the SET BUTTON again to enter the Low Pressure setting mode. It will Beep and flash the Low Pressure alarm setting. This can be increased or decreased by pressing the LEFT or RIGHT BUTTON



After the Low alarm has been set Press the SET BUTTON again to enter the Hi Temperature setting mode. It will Beep and flash the High Temperature alarm setting. This can be increased or decreased by pressing the LEFT or RIGHT BUTTON



Whilst in this mode both the UP and DOWN KEYS can be pressed together to quit this setting and not save the parameters.
If there is no user operation while in the Set Up mode the monitor will automatically return to the Standby mode.
Once all parameters have been set hold down the SET BUTTON for 3 Seconds to get out of the Set Up Mode

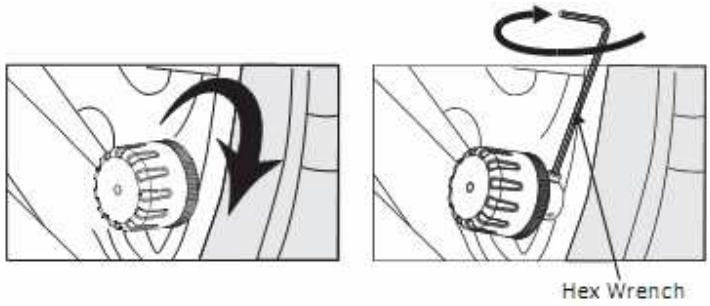
SETTING THE VEHICLE TIRE PRESSURES

Using a good quality tire gauge adjust the tire pressures to the desired inflation as recommended by the vehicle manufacturer. Set these pressures when tires are cool and out of the sun.

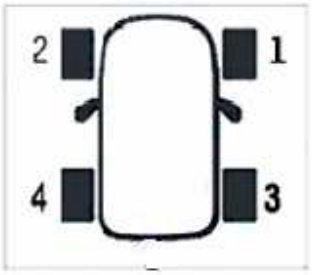
SENSOR INSTALLATION

This should be done one at a time when you read Programming the Sensors below, do not just screw them all on at once. Remove any existing tire valve caps and screw the sensor on the valve, ensure the locking screw is backed off enough to allow the sensor to be screwed on without it rubbing the threads. Hand tighten the sensor do not use any wrenches or tools to tighten. The locking screw can be tightened if required as a security measure. Ensure you keep the hex wrench to remove the locking screws**.** The sensor simply screws onto the tire valve (Dill Valve) it is critical that the complete valve be in good condition with no cracks, be correctly assembled with no wear or side play. Metal valve stems that are supplied with this system should be used and installed by a tire shop. Use a small amount of lubrication/anti seize on stem threads ensure none enters the Sensor or valve. A water/soap solution should be applied to the valve thread

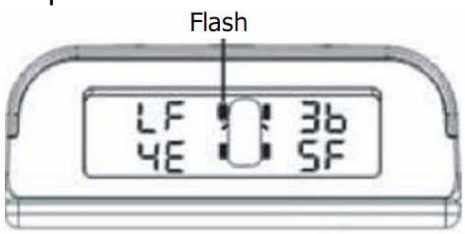
area after installation to ensure there are no air leaks. Most wheels do not need to be rebalanced after sensor installation. Secure the sensors with their locking screw if desired.



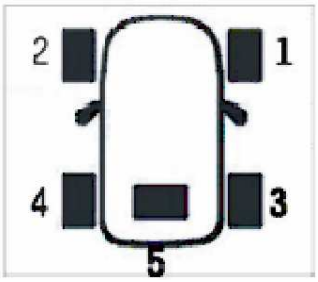
We have already set up the codes for the 4 sensors provided and each sensor is marked with the corresponding tire position.
Should you wish to set up the sensors yourself, change/add/replace a sensor etc please see below.



Programming the Sensor code if needed.
In the standby mode press the RIGHT BUTTON for 3 seconds. The monitor will Beep and the relevant Hex code and the wheel position will flash.



Mount the sensor to be aligned on the valve at the location of the flashing wheel.
The sensor will send the sensor code to the monitor and the monitor will display the sensor code associated with the installed sensor and Beep
Select the other tires by pressing the LEFT BUTTON and repeat this sequence. The additional number 5 wheel will also be displayed which can be used for the spare wheel with the addition of an extra sensor.



By pressing both the LEFT and RIGHT button simultaneously in this mode the monitor will return to the standby mode without storing the code.
If there is no operation for a while the monitor will return to the standby mode

After programming press the SET BUTTON for 3 seconds and release to store the settings. The monitor will also Beep.
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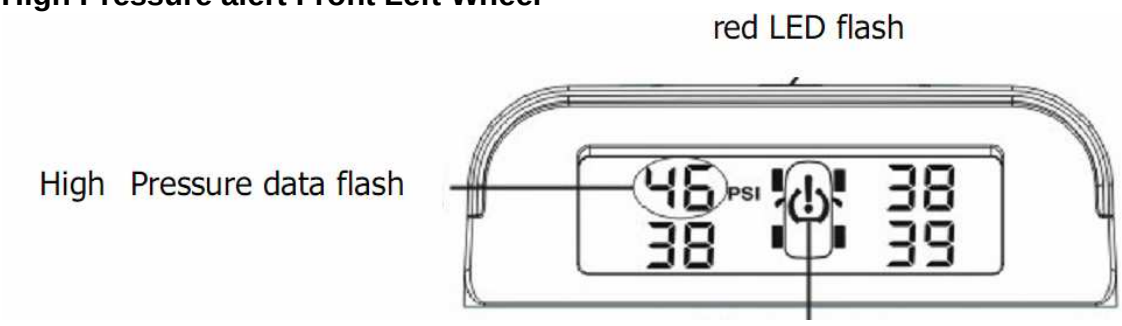
Data Display 1
Updated data is sent to the display after the sensors detect the motion of the wheel.

HIGH PRESSURE/LOW PRESSURE?HIGH TEMPERATURE ALERT

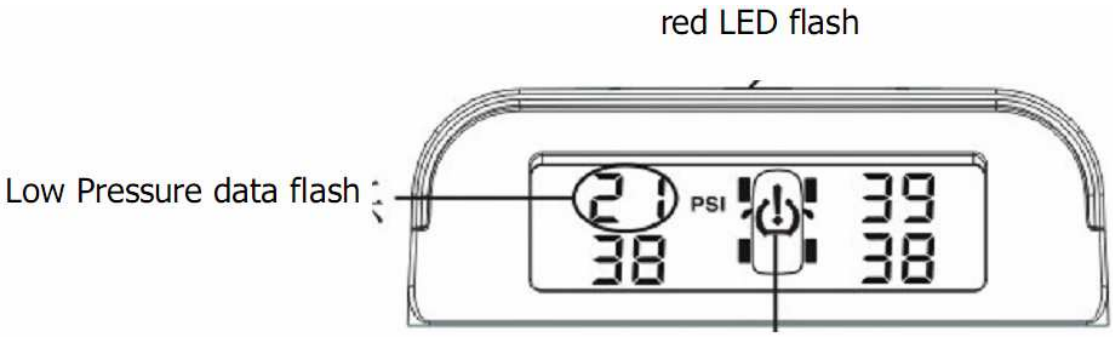
If a reading is outside of the users set parameters an audible alarm will sound and the red LED will flash on the monitor. The alarm can be silenced by pressing any button on the monitor. However the red LED will continue to flash until the fault is removed and the monitor is back in the accepted settings range.

As an example
The settings are as follows
High Pressure alarm 46 psi
Low Pressure alarm 26 psi
Hi Temperature alarm 70 C

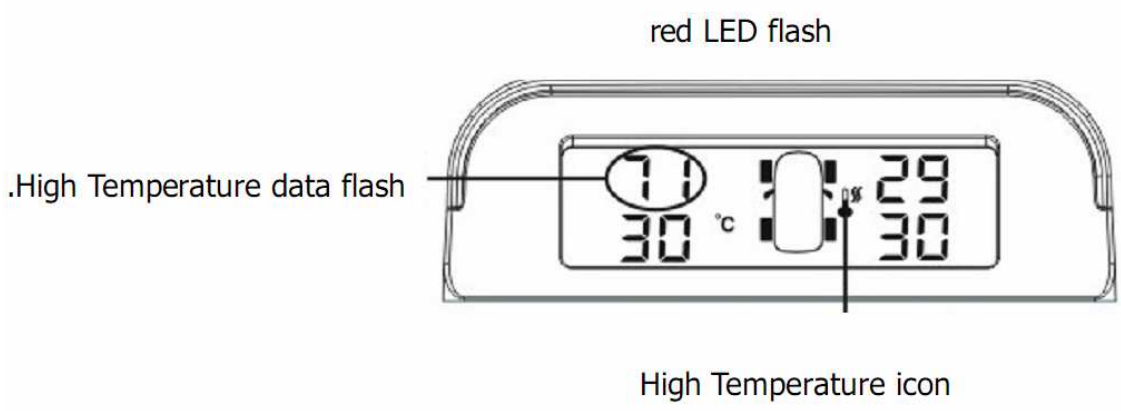
High Pressure alert Front Left Wheel



Low Pressure alert Front Left Wheel

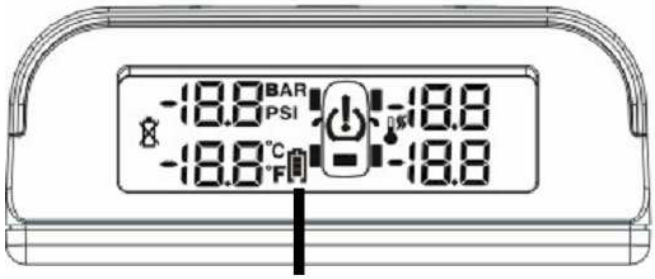


High Temperature alert Front Left Wheel



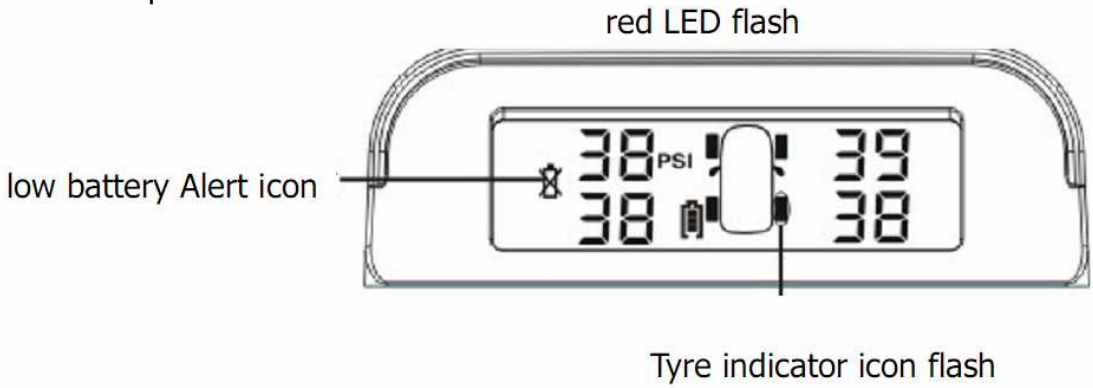
Monitor Low Battery

When the Monitor detects a low Monitor battery level the low battery icon will come on, however the low battery icon will remain until the monitor is recharged



Sensor Low Battery

When the Monitor detects a low Sensor battery level the low sensor battery icon will come on and the location of the sensor will flash. There will also be an audible warning and the red light will flash. Pressing any button will silence the alarm, however the low battery icon and light will remain until the sensor battery has been replaced

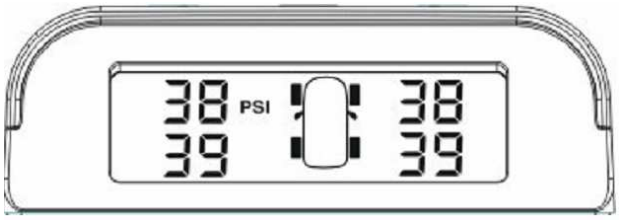


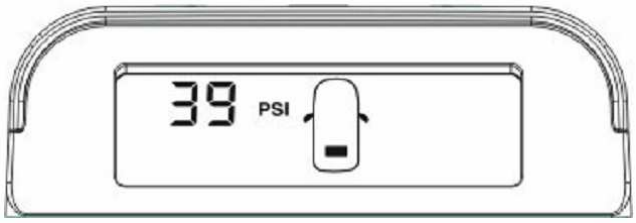
Replacing the Sensor Battery

Unscrew the sensor plastic cap slide out the CR1632 battery slide in a new battery **(POSITIVE UPWARDS)** replace cap.

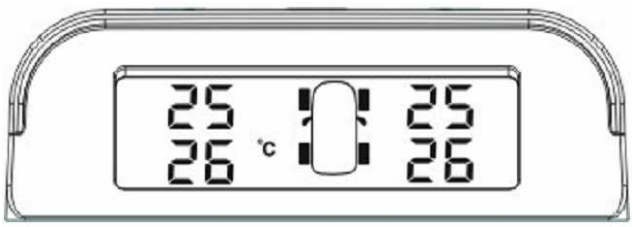
Data Display 2

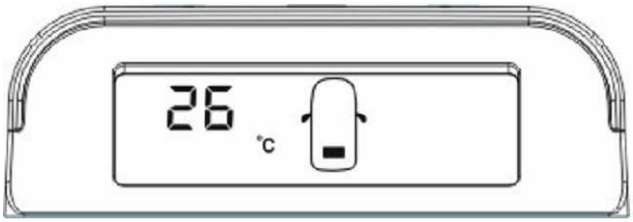
The monitor will continually display the pressure settings for all tires and will switch screens if an extra 5th sensor is installed.





By Pressing the SET button the Monitor will show the temperatures of each tire as below for 5 seconds then switch back to pressure. The high temp alarm will show if a tire reaches 70 degrees C





SENSOR SPECIFICATIONS

Operating Temperature	-40°C～+80°C
Storage Temperature	-40℃～+85℃
Pressure Range	0～50 PSI (0～3.5 bar)
Pressure Sensitivity	±1.5 PSI (±0.1 bar)
Temperature Sensitivity	±3℃
Fast leakage Alert	＞1.5 PSI drop within 12 seconds (＞0.1 bar drop)
Transmission Power	＜10dBm
Transmission Frequency	433.92 MHz
Battery Life	2 years (CR1632 -40℃～80° C)
Size	diameter 24mm height 21mm (without anti-theft housing) diameter 27mm height 23mm (with anti-theft housing)
Weight	11.5g (without anti-theft housing) 15.4g (with anti-theft housing)

MONITOR SPECIFICATIONS

Operation Temperature	-20℃～+80℃
Storage Temperature	-30℃～+85℃
Charger Input Voltage	DC 8～16
Frequency	433.92 MHz
Size	63mm Length * 56mm Width * 25mm Height
Weight	66.5g

GENERAL INFORMATION

Tire pressure recommended operating pressures should be set when the ambient temperature is low or cold or where the tire has cooled down and is at a low temperature, out of the sun etc. Dramatic changes in tire pressure can occur because of increased or decreased ambient temperature; tire contact surface temperature etc, these and other situations should be taken into consideration when setting initial tire operating pressures. This system cannot warn you of impending side wall failures or blowouts, however it can supply you with irregular pressures and temperature information that may help to prevent this. To test fast leakage response, unscrew a sensor with monitor in range. The ***Track Master System***, relies on a good air connection between the Sensors and the tire valve (known as the Dill Valve) which is located inside the tire valve stem.

The Dill Valve should be the correct size, be in good condition and be able to be depressed fully to allow the release of air to the sensor so it can operate.

Some valve stem extensions may cause inaccurate readings if they do not allow the sensor to operate correctly, standard short metal bodied stems are recommended for best performance. Should you have difficulty with a pressure sensor not operating correctly we recommend that you contact a tire professional to ensure that the tire stem and Dill Valve are installed and operating correctly.

Do not use tire sealants when using this system. Over a period of time tires may lose pressure naturally, through the tire itself or for other reasons such as rim leakage etc.

However after the Track Master valve sensors (including locking mechanism, if fitted) are installed it is recommended that the sensor and valve stem be completely covered in a soapy solution of 1 part liquid soap to 2 parts water, to see if there are any air bubbles coming from the valve and sensor area indicating that the tire is leaking air.

If air bubbles are visualized in any of these areas, the tire may deflate and the ***Track Master***, system will not operate correctly. The wheel sensors are weatherproof and can be run in the rain.

A tire professional should be consulted should any of these areas prove to be a problem

Please note, ***Track Master Systems***, operates on an RF system, as with many RF tire systems this system can suffer from interference depending on the systems location thus causing the system to be inaccurate or not operate at all. We cannot guarantee that the display will receive the sensor signal accurately.

Purchasers of this product should not rely on this tire pressure monitoring system for safety and should check the condition and pressure of their vehicles tires on a regular basis as described by the manufacturer of the vehicle or tire manufacturer.

Tire pressures and temperatures are not the only things that can affect tire safety; we suggest daily visual inspections and checks by tire professionals.

LIMITED WARRANTY

HawksHead will, within 12 months from date of original purchase, repair or replace free of charge any defective component (except batteries) which upon careful inspection is found, in our sole judgment, to have material or manufacturing defects, provided it is received freight prepaid, accompanied by the original purchasers sales slip and an authorized Return Merchandise Authorization number (RMA #.). You may obtain an RMA # by emailing RMA@TPMS.CA

DISCLAIMER OF WARRANTY: Neither the seller nor the manufacturer will be liable for any loss damage or injury directly or indirectly arising from the use or inability to determine the use of this product. Before using, the user shall determine the suitability of the product for its intended use, and the user shall assume all responsibility and risk in connection herewith.

PLEASE NOTE: SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG IMPLIED WARRANTIES MAY LAST OR DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THOSE EXCLUSIONS OR LIMITATIONS MAY NOT BE APPLICABLE TO YOU.

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