

Please read instructions carefully before installation



1

Set the tire pressure



2

Twist the cap on to the valve stem



3

Calibrate the cap using the key



4

Unscrew the cap and see it flash



5

Re-attach



6

Attach optional dust cover

Read instructions BEFORE installation.

1. Set tire to the recommended pressure for your vehicle before attaching the Cap.
2. Twist the Cap on to the valve stem firmly by hand or alternatively use a 6 point 15mm socket.
3. Twist the top of the Cap clockwise firmly using the enclosed key.
4. To verify proper installation, unscrew the Cap and you will see it flash.
5. Screw the Cap back on firmly. **If you leave the Cap loose it will result in a flat tire.**
6. Push on the optional dust cover which also will enhance the viewing angle on the flashing. The Cap is now in place and will monitor your tire pressure 24 h per day 7 days a week. Store the key in a safe place if you need to re-calibrate or change batteries. Have a safe trip!

- If the tire pressure drops 8 psi (0.6 bar) the LED will start flashing.
- The LED flashes every 1.5 sec. and will flash until the tire pressure is brought back to original or batteries are empty. (see inside for battery information).

**Information on how to change the batteries and how to re-calibrate is inside this leaflet**

Distributed by:

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Warranty, safety and technical information inside this leaflet.



# LED TIRE ALERT™

## FOR HEAVY VEHICLES

Fits any pressure of 60 - 175 psi (4 - 12 bar)

## TRUCKS

## R.V.S

## BIG RIGS

## EARTH MOVERS

## TRAILERS

A Light duty version is also available for 10 - 70 psi (0.7 - 5.0 bar)

A bright LED flashes red if the tire pressure drops 8 psi (0.6 bar)



DANGER

OK

Research shows that 44 - 56% of drivers have under inflated tires which:

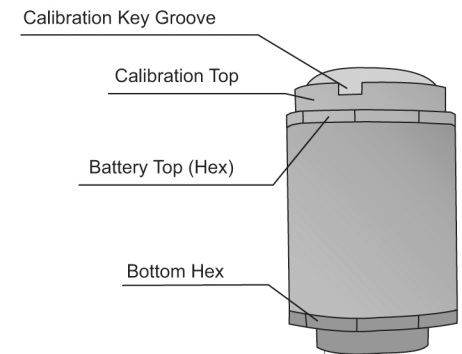
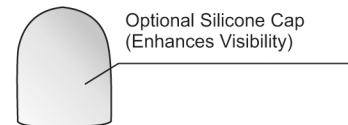
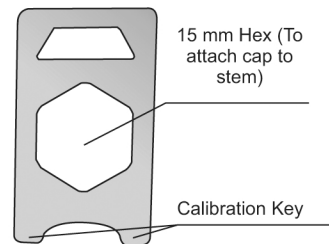
- ✓ Jeopardize safety
- ✓ Reduce tire life
- ✓ Increase fuel consumption
- ✓ Increase CO<sub>2</sub> pollution
- ✓ Increase rubber left in the environment
- ✓ Increase braking distance
- ✓ Increase risk for accidents
- ✓ Decrease the handling performance

Patented World Wide

Quick and easy to install on any tire

Installation Key included

Product #: 1234 HD



# CONSUMER INFORMATION



**This ingenious LED Tire Alert (LTA) has been issued world-wide patents. It is a small, yet very accurate tire pressure monitoring system that will fit virtually any vehicle. The TPL can be calibrated directly on the tire's valve stem. If the tire pressure drops 8 psi (0.6 bar) the bright red LED will start flashing.**

**To Re-Calibrate the LTA**, hold the cap with a 15mm 6-point (hex) socket from the bottom. Twist the calibration-top about two turns anticlockwise using the enclosed key. Then put the cap on a valve stem which has pressure in it. This will reset the calibration pressure to 0. Then calibrate according to steps 1-3 in the instructions.

**To Change the Batteries**, hold the cap with a 15mm 6-point socket from the bottom. Unscrew the Battery Top with the enclosed key or a second 15mm 6-point socket, anticlockwise until it comes off. Take out old batteries (2pc). Replace batteries with the positive side down towards the spring. Assemble in reverse order.

**Instructional video is available on our website.**

**Save these instructions in your vehicle**  
These LTA's will increase your safety, decrease pollution, and save money on fuel and tires.

- When you have your tires balanced, keep the Caps on to include them in the weight.
- We recommend that you periodically take the Cap off and see it flash to ensure that it is working.
- If you have different tire pressures in the front and the rear you can, using a sharp object, scratch off the letter "F"(front) or "R"(rear) on the Cap to ensure that it will be reattached to the right axle.
- EU/CE, ATEX, RoHS and WEEE Conformity

- The unique mechanical pressure sensing system does not connect the batteries until the pressure drops and the LTA starts flashing. This will guarantee the maximum battery life.
- The LTA can be re-calibrated.
- If the tire pressure drops 8 psi, the LED starts flashing every 1.5 sec and will continue to flash until the tire pressure is brought back to original.
- Batteries' capacity allows a standby time of 5+ years or 6-7 weeks of continuous flashing.
- The bright LED is easily visible, even in daylight
- The LTA is small, approx. 1" high and ½" in diameter (25x14mm)
- The LTA is light, 0.53oz (15g) and 0.56oz (16g) with Anti-Theft
- The casing is made of stainless steel and brass. It is vibration, shock, and "road chemical" resistant
- The LTA is totally water-proof and air-tight
- The batteries can be changed.
- Has a range from 60 – 175psi (4 – 12 bar)
- The trigger range is 8 psi (0.6 bar) below the calibration pressure
- An accuracy of +/- 2psi (0.14 bar)
- The LTA can handle any pressure spike created in even the most hazardous conditions.
- Temperature range of -40F to +275F (-40C to +135C)
- Threads made of brass
- Recommended attachment torque is 10.5 in-lbs (1.2 Nm)

# CONSUMER INFORMATION

Use these Caps only with IOS 9413 approved valve stems. These are the most common vehicle valve stems. It is important to make sure that the Caps do not stick out further than the side of the tire. If they do, please have a shorter valve stem installed. For example: TR412

The recommended temperature range is the temperature range of -40F to +275 (-40C to +135C). However, the batteries do not give full capacity in very cold or hot temperatures. The batteries will regain their strength when temperatures return to normal.

The LED is not designed to be seen from inside the vehicle.

An 8 psi (0.6 bar) drop from the original calibration pressure will trigger the LED flashing.

Do not drive even short distances with severely under inflated tires, since it is extremely unsafe and it will ruin the tire and possibly the rim as well.

When the ambient temperature drops, the tire pressure will also drop. Do not drive with under inflated tires even when it is cold outside. Since the Caps are using air pressure in a pressure chamber inside the Caps as a reference point, the Caps will automatically adjust for low temperatures to minimize false warnings for sudden temperature drops due to the outside weather.

If you use these Caps in conjunction with valve extensions, please make sure that the extensions are designed to constantly be pressurized and that there are no leaks in the joints. We also recommend that you calibrate the Caps on a tire without the extension before putting them on the extension (The additional spring load for the valve of the extensions may interfere with the calibration process).

We do not recommend these Caps for a spare tire, since the Caps normally would not be visible and therefore could flash out the battery life without being detected.

Since the tires naturally lose some pressure which will activate the flashing, we suggest that if you are going to put your tires or vehicle in storage with the Caps attached that you uncalibrate the LTA. In order to uncalibrate the LTA, twist the unit's Calibration Top in the counter-clockwise direction. Remember to recalibrate the LTA when the tire or vehicle gets put back in use.

## Liability

These caps are only an aid in monitoring low tire pressure. Even when using the caps you should still follow the instructions in your vehicles owner's manual regarding tires and tire pressure maintenance.

These caps do not relieve you from your obligations of regularly checking your tire pressure. We limit our maximum liability to the purchase price of this product.

## Warranty

These caps come with a 2 year limited manufacturer warranty. We guarantee that this product is free from any manufacturing defects. If found defective, return to the address on the back with a copy of the purchase receipt. We will examine the unit and the date codes and replace or reimburse you for the units if found faulty under the warranty.

Batteries are excluded from the warranty.