

IVTM

User's manual



WABCO



This manual will show you how to benefit from the Integrated Vehicle tire Monitoring.

Current tire pressures are displayed when battery power is provided.

IVTM frequently checks tire pressure automatically while the vehicle is in operation and warns in case of improper tire pressure or tire leaks.



Safety Notes

- Do not use the IVTM display functionality to check tire pressures while driving. This may cause a distraction while driving and may lead to an accident. IVTM will be monitoring tire pressure automatically. IVTM will alert you audibly and by a illuminated indicator warning.
- In case of error messages shown on the display, IVTM is no longer monitoring tire pressures on the vehicle. If this is the case, maintain tire pressures using a calibrated tire pressure gauge and have IVTM repaired at the workshop.
- Sudden pressure increase on one tire while driving might lead to the tire's failure. Stop the vehicle and approach the tire only after assuring that the pressure is no longer increasing. Approaching a tire while it is increasing in pressure may cause injury. Call road service and have the tire serviced by a qualified technician.
- Do not use IVTM for other reasons than tire pressure monitoring.

Tire pressure monitoring may prevent accidents, reduce fuel consumption, reduce road service and maintenance costs, and extends tire life when driving with correct tire pressures.

Switching on Ignition

After ignition is switched on, IVTM performs an internal check procedure. All symbols are displayed for one second; all system lights and audio signals are enabled. After initialization, if tire pressures are within specified values, the vehicle's axles and wheels are shown momentarily on the display.

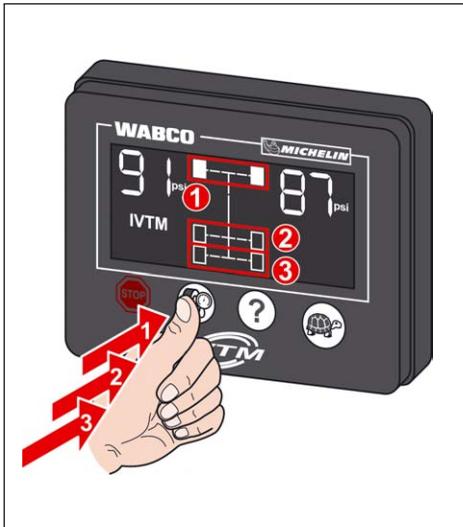
All icons except "IVTM" will disappear on the display if all pressures are ok. This is the normal default mode.



Checking Pressure Values

- Depress  button. The display will show the tires and axle that are currently being displayed. The  pressure value on the display corresponds to the left tire in direction of travel.
- Continue depressing this button to display pressure values of remaining axes. Axles with dual tires have their wheels represented outside and inside one after the other.
- Continue depressing this button in order to check the remaining axes/tires on the tractor and/or trailer.

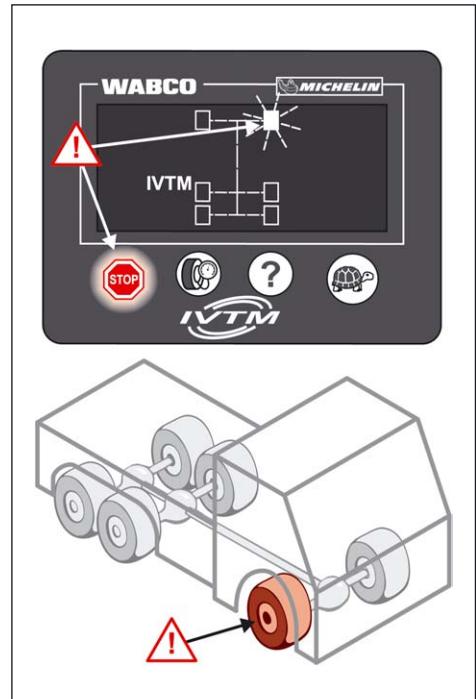
The display will switch back to normal mode if no button has been pressed for a period of 20 seconds.



Display IVTM Pressure Warnings

 **A red warning lamp** on the IVTM display accompanied by beeps indicates there is a pressure issue and the vehicle should pull over immediately. Be aware of traffic in the area and bring the vehicle to a complete stop without endangering others.

After coming to a complete stop, press the right button  to determine the reason for the red warning light. The pressure value of the conspicuous wheel will be indicated and the position on the vehicle is indicated by a flashing icon illustrating the wheel position.



 Re-inflation of any type of tire and rim assembly that had been operated in a run-flat or under inflated condition (80% or less of recommended operating pressure) can result in serious injury or death. The tire may be damaged on the inside and can explode while adding air. The rim parts may be worn, damaged, or dislodged and can explosively separate.

 In the seldom case where tire pressure has suddenly and abnormally increased, the vehicle should be pulled over immediately. Do not approach the tire and prevent others from approaching as well. Wait and observe pressure from the display. The driver should not do anything but to call for road service and have a trained technician evaluate the tire.



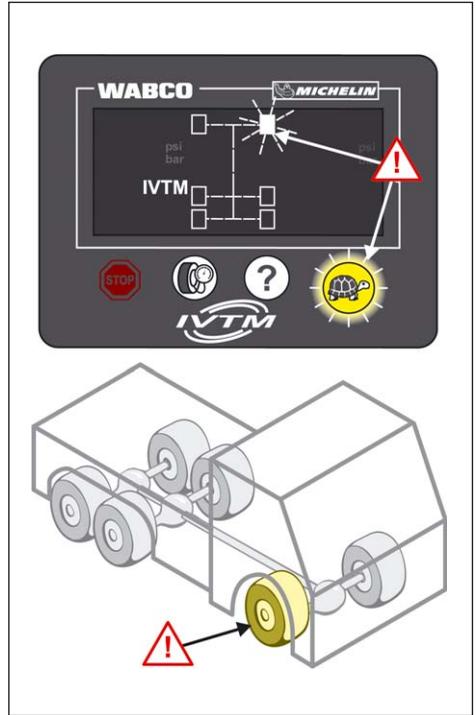
A yellow warning lamp on the IVTM display indicates creeping pressure loss. Reduce speed and adjust tire pressure at the next available opportunity to prevent serious damages on the tire and vehicles.

Note:

If the system should report several tires, then the tire having the most serious fault is indicated first. Continuously pressing the



button will show further faults.



When servicing a vehicle equipped with an IVTM system it should be serviced by a shop that has trained technicians and programming knowledge so the wheel module may be programmed to the vehicles electronic control unit (ECU) if necessary.

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Vehicle Control Systems