

## CHECKING THE TIRE PRESSURES

### WARNING

**All tire pressures, including the spare, should be checked regularly using an accurate pressure gauge, when the tires are cold. Failure to properly maintain your tire pressures could increase the risk of tire failure, resulting in a loss of vehicle control and potential personal injury.**

Check the tires, including the spare, for condition and pressure on a weekly basis and before long trips.

If tire pressures are checked while the vehicle is inside a protected covered area (e.g. a garage) and subsequently driven in lower outdoor temperatures, tire under-inflation could occur.

A slight pressure loss occurs naturally with time. If this exceeds 14 kPa / 2 psi per week, have the cause investigated and rectified by qualified personnel.

If it is necessary to check tire pressures when the tires are warm, you should expect the pressures to have increased by up to 30 - 40 kPa / 4 - 6 psi. Do not reduce the tire pressures to the cold inflation pressure under these circumstances. Allow the tires to cool fully before adjusting the pressures.

The following procedure should be used to check and adjust tires pressures.

1. Remove the valve cap.
2. Firmly attach a tire pressure gauge/inflator to the valve.
3. Read the tire pressure from the gauge and add air if required.
4. If air is added to the tire, remove the gauge and re-attach it before reading the pressure. Failure to do so may result in an inaccurate reading.

5. If the tire pressure is too high, remove the gauge and allow air out of the tire by pressing the center of the valve. Refit the gauge to the valve and check the pressure.
6. Repeat the process, adding or removing air as required, until the correct tire pressure is reached.
7. Refit the valve cap.

## TIRE PRESSURE COMPENSATION - LOW AMBIENT TEMPERATURES

A colder ambient temperature will lower pressure within the tire. Sidewall height will decrease and tire shoulder wear will increase with the potential for tire failure. Vehicle dynamics could also be adversely affected.

Tire pressures can be adjusted to compensate before the start of the trip. Alternatively, tire pressures can be adjusted when the area of lower ambient temperature is reached.

In this situation, the vehicle must be left in the local ambient temperature for at least one hour before tire pressure is adjusted.

Inflation pressure compensation	
Ambient temperature °F (°C)	Pressure compensation psi / kPa
68 (20)	as vehicle label
50 (10)	2 / + 14
32 (0)	4 / + 28
14 (-10)	6 / + 41

**Note:** Ensure that correct tire pressures are maintained when moving to areas of differing ambient temperature.