

## TYRE CARE



Do not drive the vehicle if a tyre is damaged, excessively worn, or incorrectly inflated.



Avoid contaminating the tyres with vehicle fluids as they may cause damage to the tyre.



Avoid spinning the wheels. The forces released can damage the structure of the tyre and cause it to fail.



If wheel spin is unavoidable due to a loss of traction (in deep snow for example), do not exceed the 50 km/h (30 mph) point on the speedometer.

**Note:** Tyre condition should be checked after the vehicle has been used off-road. As soon as the vehicle returns to a normal, hard, road surface, stop and check for damage to the tyres.

All of the vehicle's tyres (including the spare) should be checked regularly for damage, wear and distortion. If you are in any doubt about the condition of a tyre, have it checked immediately by a tyre repair centre or your Land Rover Dealer/Authorised Repairer.

## TYRE PRESSURES



Never drive your vehicle if the tyre pressures are incorrect.

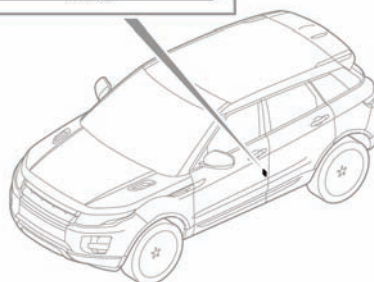
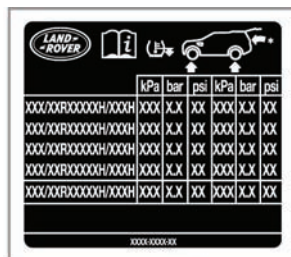


Pressure checks should only be carried out when the tyres are cold, and the vehicle has been stationary for more than three hours. A hot tyre at, or below, recommended cold inflation pressure, is dangerously under-inflated.



If the vehicle has been parked in strong sunlight, or used in high ambient temperatures, do not reduce the tyre pressures. Move the vehicle into the shade and allow the tyres to cool before re-checking the pressures.

## CHECKING THE TYRE PRESSURES



SL1815

Tyre information label location.



**Tyre pressures should be checked regularly using an accurate pressure gauge, when the tyres are cold.**

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

1. Remove the valve cap.
2. Firmly attach a tyre pressure gauge/inflator to the valve.
3. Read the tyre pressure from the gauge and add air if required.

4. If air is added to the tyre, remove the gauge and re-attach it before reading the pressure. Failure to do so may result in an inaccurate reading.
5. If the tyre pressure is too high, remove the gauge and allow air out of the tyre by pressing the centre 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 tyre pressure is reached.
7. Refit the valve cap.

## TYRE VALVES

Keep the valve caps screwed down firmly to prevent water or dirt entering the valve. Check the valves for leaks when checking the tyre pressures.

## PUNCTURED TYRES



**Do not drive the vehicle with a punctured tyre. Even if the punctured tyre has not deflated, it is unsafe to use, as the tyre may deflate suddenly at any time.**

## REPLACEMENT TYRES



**Do not fit cross ply tyres.  
Do not fit tubed tyres.  
Do not rotate tyres around the vehicle.  
If the use of tyres not recommended by Land Rover is unavoidable, ensure that you read and fully comply with the tyre manufacturer's instructions.**

Ideally, tyres should be replaced in sets of 4. If this is not possible, replace the tyres in pairs (both front or both rear). When tyres are replaced, the wheels should always be re-balanced and alignment checked.

## TYRE PRESSURE COMPENSATION FOR LOW AMBIENT TEMPERATURE CHANGES

A colder ambient local temperature will reduce pressure within the tyre. An effect is to decrease sidewall height and to increase tyre shoulder wear with the potential for tyre failure. Vehicle dynamics could also be adversely affected.

Tyre pressures can be adjusted to compensate before the start of the journey. Alternatively, tyre pressures can be adjusted when the area of lower ambient temperature is reached.

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

To compensate for colder ambient temperatures, tyre pressures should be increased by 0.14 bar (2 psi, 14 kPa) for each 10°C (20°F) decrease.

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

## TYRE PRESSURE COMPENSATION - HIGH AMBIENT TEMPERATURES

Tyre pressure temperature compensation	
Ambient temperature °C (°F)	Pressure compensation bar (psi, kPa)
20 (68)	use label
30 (86)	+ 0.14 (2, 14)
40 (104)	+ 0.28 (4, 28)
50 (122)	+ 0.41 (6, 41)

## FLAT SPOTS DUE TO LONG TERM PARKING

In order to minimise flat spotting, the tyre pressures can be increased to the maximum as stated on the tyre sidewall, for the period when the vehicle is stationary. Tyres must be returned to the specified running pressures before driving.

## AGE DEGRADATION

Tyres degrade over time due to the effects of ultraviolet light, extreme temperatures, high loads, and environmental conditions. It is recommended that tyres are replaced at least every six years, but they may require replacement more frequently.

## WINTER TYRES

In many countries legislation exists that requires the use of winter tyres during specified periods of the year.

M+S tyres have a recognised level of winter performance and need not be replaced.

When changing to winter tyres, they must be fitted to all four wheels.

If the vehicle has TPMS but the winter use wheels and tyres are fitted with standard rubber valves, the TPM system will search for a signal. When it finds no response, **TYRE PRESSURE MONITORING SYSTEM UNAVAILABLE** will be displayed in the message centre.

When the original wheels are refitted, the vehicle will need to travel a short distance before the TPM system recognises the wheel sensors. At that point, **TYRE PRESSURE MONITORING SYSTEM AVAILABLE** will be displayed.

## USING TRACTION DEVICES



**Only use traction devices in heavy snow conditions, on hard road surfaces.**



**Dynamic Stability Control (DSC) must be switched off when using traction devices.**



**Never exceed 50 km/h (30 mph) when traction devices are fitted.**



**Never fit traction devices to a temporary use spare wheel.**

Land Rover approved traction devices may be used to improve traction on a hard road surface in heavy snow conditions. They should not be used in off-road conditions.

If it becomes necessary to fit traction devices, the following points must be observed:

- Only Land Rover approved traction devices should be used on the vehicle. Only Land Rover approved traction devices have been tested to ensure that they do not cause damage to the vehicle. Contact your Land Rover Dealer/Authorised Repairer for information.
- The wheels and tyres fitted must conform to the specifications of the original equipment.
- **Do not** fit traction devices to 18, 19 or 20inch diameter wheels.
- Single sided Spike-spyder traction devices or snow chains can be fitted to only the front wheels of vehicles fitted with 17inch diameter wheels.
- Always read, understand and follow the traction device manufacturer's instructions.
- Avoid tyre/vehicle damage, by removing the traction devices as soon as the conditions allow.

## TPMS INFLATION PRESSURE COMPENSATION

If your vehicle is fitted with 18, 19 or 20 inch wheels with TPMS, they can be replaced with 17 inch wheels with TPMS, so enabling the use of snow chains or traction devices.

Tyre pressures of vehicles fitted with 17 inch wheels with TPMS as standard are not affected. Tyre pressures for other wheel sizes should be adjusted as shown in the table.

Inflation pressure (bar) with snow chains		
Original wheel size	Front	Rear
18 inch	2.4	2.1
19 inch	2.5	2.2
20 inch	2.5	2.2