

## TYRE PRESSURE MONITORING (TPM) SYSTEM



The TPM system provides a low pressure warning and does not re-inflate your tyres. Tyre pressures should be checked regularly using an accurate pressure gauge when cold.

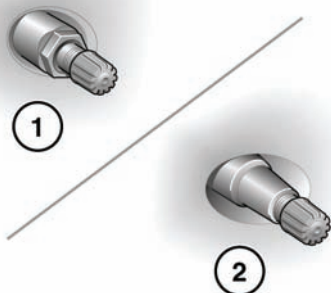


The TPM system can NOT register damage to a tyre. Regularly check the condition of your tyres, especially if the vehicle is driven off-road.



When inflating tyres, take care not to bend or damage the TPM system valves. Always ensure correct alignment of the inflation head to the valve system.

**Note:** Different types of tyre may affect the performance of the TPM system. Always replace tyres in accordance with recommendations.



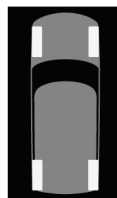
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1. TPM system external metal lock nut and valve.
2. Non TPM system rubber valve.

The TPM system constantly monitors the tyre pressure in each wheel. Temporary use spare tyres (when fitted) are not monitored.



The tyre pressure warning lamp illuminates when one or more of the tyres is significantly under-inflated or a non TPM system wheel and tyre is in use.



This will be accompanied by a graphic and message in the message centre. The graphic and message will indicate which of the TPM system tyres needs attention.

You should stop and check the tyres as soon as possible and inflate them to the recommended pressure. See **212, CHECKING THE TYRE PRESSURES**.

## TPM SYSTEM MESSAGES

When a problem is detected, the warning lamp will illuminate or flash. A text message will be displayed. Until the fault is rectified, the warnings will be repeated each time the ignition is switched on.

Driving through variable climatic conditions can affect tyre pressures. This in turn may promote intermittent TPM system warnings.

If all four road wheels and tyres are replaced with non TPM system wheels, e.g., a set of winter wheels and tyres, the message **TYRE PRESSURE MONITORING UNAVAILABLE** will be displayed. 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 AVAILABLE** will be displayed.

The system will automatically recognise any changes in wheel positions. The vehicle must be stationary for 15 minutes during a wheel change to allow the system to detect the change. See **208, CHANGING A ROAD WHEEL**. After driving above 25km/h (18mph), any deflation warning should clear within a few minutes.

# Tyre pressure monitoring system

If a non TMP system temporary spare wheel is fitted, the system will automatically recognise the change in wheel positions. After approximately 10 minutes of driving above 25km/h (18mph), the message **FRONT (REAR) RIGHT(LEFT) TYRE PRESSURE NOT MONITORED** will be displayed, accompanied by illumination of the warning lamp.

The warning lamp will first flash and then illuminate continuously. Extended use of the temporary spare wheel will trigger the message **TYRE PRESSURE MONITORING SYSTEM FAULT**.

This TPM system display sequence will be activated at every ignition cycle, until the temporary spare wheel is replaced by a full size TPM system road wheel.

**Note:** *If in use, always replace the temporary spare wheel before having a TPM system fault investigated.*

If any message fails to clear after rectifying the fault, consult your Dealer/ Authorised Repairer.

A replacement sensor must be fitted to a running wheel in order to be recognised by the system. The vehicle needs to be stationary for 15 minutes during the sensor fitment before the system is ready to detect the new sensor. The vehicle must be driven for a minimum of fifteen minutes after the sensor change, and then remain stationary for fifteen minutes to activate full TPM system operation.

If the TPM system warning for any wheel does not clear, even after ensuring correct inflation and driving for more than ten minutes above 25 km/h (18 mph), you should seek qualified assistance as soon as possible.

## TYRE CHANGE



Valve stem seal, washer, nut, valve core and cap should be replaced at every tyre change. Valve stem seal, washer and nut must be replaced if valve retention nut is loosened. Sensor units and nuts must be refitted using correct torque figures and associated profile. Damage to the vehicle may result if these precautions are not taken.

Any tyre changes must be carried out by a qualified technician. Great care must be taken during removal and refitting of tyres to avoid damaging the sensor.

## REPLACEMENT SENSOR

Should the sensor require replacing, it should be carried out by a Dealer/Authorised Repairer.