

GOODYEAR DUNLOP

UNITED KINGDOM

Technical Support & Product Service

TYRE SERVICE UPDATE

Ref TSU: 0701

SUBJECT: Run On Flat (R.O.F /EMT /DSST) Self Supporting Technology

INTRODUCTION

The Goodyear/Dunlop Run On Flat tyre is a tyre with a remarkable extra feature: if needed, it can operate at least 80 km at up to 80km/h at very low or zero inflation. So even with a total loss of air pressure, the Run On Flat tyre lets the driver continue driving to a safe place where the tyre could be examined.

In fact, the Run On Flat tyre system performs so well without air that a TYRE PRESSURE MONITORING SYSTEM (TPMS) is a necessary part of the tyre package to alert the driver if a tyre has lost inflation. A "FLAT tyre" warning will appear on the TPMS if the inflation pressure of any tyre drops below the flat tyre preset warning pressure. (See the vehicle's manual for information on this system).

TYRE FITMENT

Goodyear/Dunlop strongly recommend to fit Run On Flat tyres only on vehicle's for which the car manufacturer has given a run flat homologation.

MAINTENANCE OF RUN ON FLAT TYRES

As for any other tyre, the inflation pressure should be checked and eventually corrected on regular basis by the vehicle's owner.

Damage inspection, mounting / dismounting and tyre repair or replacement should be done by a tyre or car dealer (see below).

TYRE INFLATION

Underinflation is the leading cause of tyre failure. It reduces tyre load capacity and allows excessive sidewall flexing, resulting in high heat generation.

Maintaining proper inflation is the single most important thing that the tyre owner can do to ensure tyre durability and maximum tread life. Pressure checks should be made when the tyres are cold.

The recommended inflation pressure of the Run On Flat tyre is indicated in the vehicle's owner manual.

TYRE TREADWEAR

Legal rules for tyre treadwear in a Country apply to Run On Flat tyres.

SPEED RATING

The Goodyear/Dunlop Run On Flat tyres fitted on a vehicle must carry a minimum speed rating as shown in the vehicle documents. Any Run On Flat tyre must be replaced with a Run On Flat tyre of identical type, size and speed rating.

"LOW/FLAT TYRE" WARNING INDICATOR

If the "flat tyre" warning appears on the TPMS then it is important to determine the cause of this as soon as convenient. The driver should check the inflation pressure on all tyres and if any are below the vehicle's manual recommendation then inflation pressure should be corrected. If the "flat tyre" warning appears again then a visit to the vehicle's or to a tyre or car dealer to have the system inspected should be made.

Due to the design of the tyre, the driver will probably not feel a major difference in the ride when the tyre is deflated. But under the low or zero inflation conditions being indicated by the TPMS, he should limit his speed to 80km/h maximum, avoid hard cornering and severe handling maneuvers.

MAXIMUM SPEED AND DISTANCE AT LOW AIR PRESSURE

Although the Run On Flat tyre has been designed to give at least 80 kilometers of service at sustained speeds of up to 80 km/h at low or zero air pressure, after such extreme usage the tyre may have to be replaced.

To help prolong tyre life it is recommended to keep the speed as much below 80 km/h as possible and to drive less than 80 kilometers. By doing so the probability to enable tyre repairing will increase.

Note: For some vehicles the tyre's runflat potential may extend beyond the 80 km / 80 km/h standard. This extended potential mileage only applies when used in combination with the vehicle indicated and of course provided that a TPMS is operational. The vehicle's owner manual always prevails over this document.

REPAIR OF DUNLOP OR GOODYEAR SELF SUPPORTING TYRES

Unless otherwise specified in the car owner's manual, a Goodyear or Dunlop self supporting tyre can be repaired by a qualified tyre professional after a thorough inspection and analysis of the tyre history. In case of doubt the tyre should not be repaired. The professional repairing the tyre is in any case responsible for his repair work.

Goodyear or Dunlop does not support tyre repairs under following conditions:

- Repairs outside the tread area.
- If the tyre sidewall area is damaged inside or outside of the tyre by a sharp object. This damage could have damaged the supporting insert and would thus substantially reduce runflat distance or otherwise reduce the tyre life.
- If the tyre has been run at low or zero pressure (with warning alarm active) for a long distance or at too high speed. This can be identified through driver feedback, worn appearance of the external tyre shoulder or upper sidewall.
- Innerliner damage or rough appearance.
- Any damage that would make a standard tyre unrepairable.

RUN ON FLAT REPLACEMENT

If replacement is necessary an Run On Flat tyre of identical type, size and description must be used to maintain the extended mobility feature of the vehicle

MIXING OF RUN ON FLAT AND REGULAR TYRES

Except in case of emergency situation, it is strongly recommended not to mix runflat tyres and regular tyres on the same vehicle. For these special circumstances we recommend reduced speed and careful driving.



Steve Colman

