

Total or Partial Destruction of a tyre while driving

Appearance of damage –

Tyre sidewall is ruptured and partially or completely dislocated from the casing.



Cause of the damage –

Driving on a tyre with low or zero air pressure below the minimum required to carry the load of the vehicle causing excessive flexing to the tyre's sidewall.

Explanation of the Damage –

Excessive flexing of the tyre's sidewall causes excessive heat build-up in the tyre beyond normal operating temperatures. The damage to the tyre is compounded while driving at high speeds for long periods of time. When the tyre becomes excessively hot, the rubber and reinforcing components in the tyre begin to degrade until the tyre can no longer withstand the remaining air pressure in the tyre. This leads to a rupture in the sidewall of the tyre and or tread area. The result is an immediate and rapid loss of air pressure, often accompanied by a loud bang as the tyre experiences rapid air loss.

How to Avoid?

Maintain correct tyre pressure using the vehicle tyre placard as a reference. Where possible avoid obstacles or debris on the road.

Recommendation –

The tyre must be removed from the car immediately and scrapped.

This Bulletin should be considered as being of a general advisory nature only. In case of conflict with existing recommendations issued by a vehicle manufacturer, these latter recommendations should apply.

