

SERVICE BULLETIN

September 10, 1984

No. 54

TO: ALL CUSTOMERS

SUBJECT: SIDEWALL UNDULATIONS IN RADIAL PASSENGER TIRES

Attached is a TIRE INFORMATION SERVICE BULLETIN issued by RMA explaining sidewall undulations in radial passenger tires. The bulletin is complete with a photograph of the undulation.

Should you have any questions concerning sidewall appearance, please contact Consumer Relations at 800-854-6288.

TIRE

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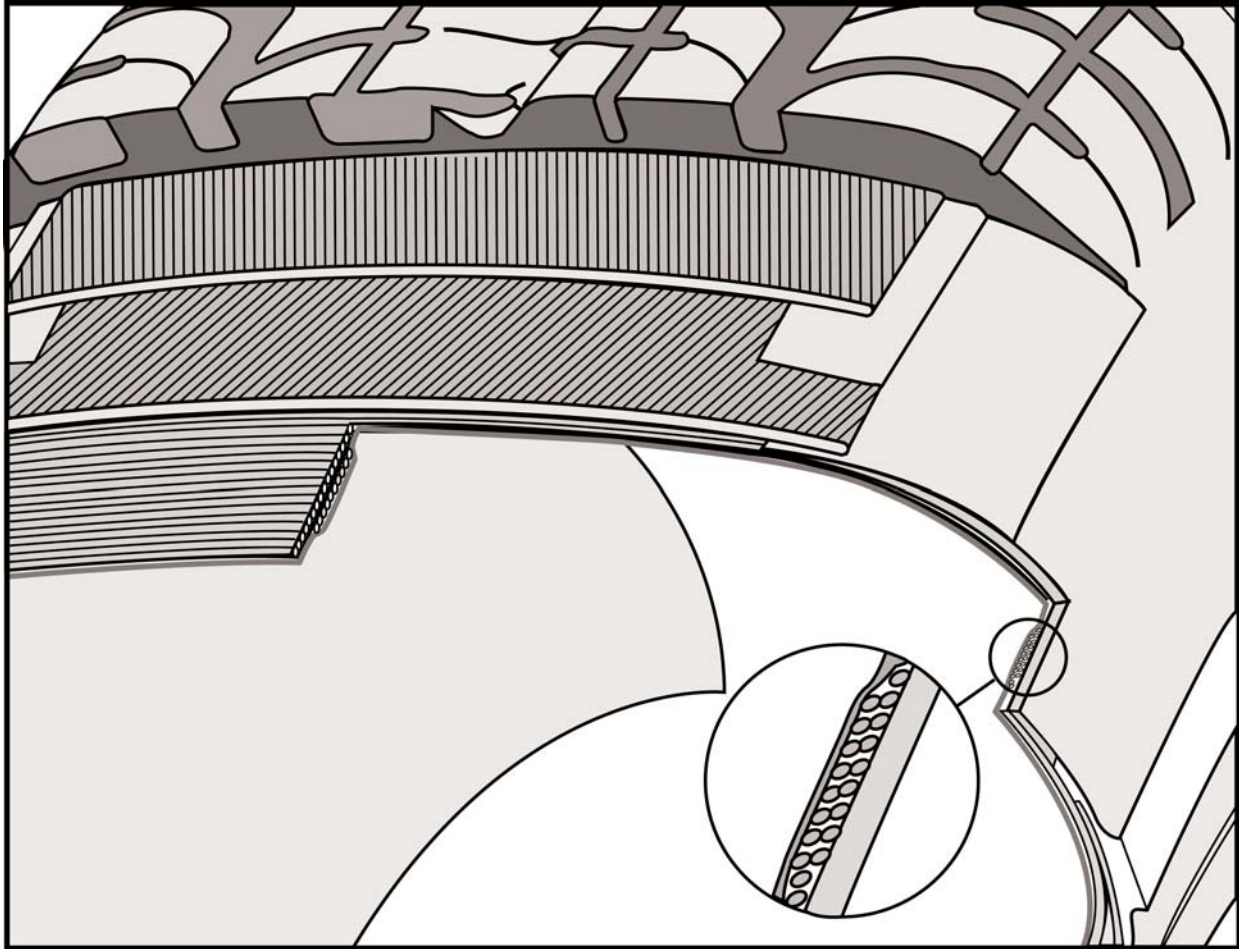
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SIDEWALL INDENTATIONS IN RADIAL TIRES



The condition, sometimes referred to as sidewall undulations, is a common characteristic of radial tire construction (see photo). These indentations are more noticeable in larger/wider radial-ply tire sizes and become more visible with higher inflation pressures.

In a radial tire the body ply cords run straight across the tire from bead to bead. Because of the "straight across" constructions, the joining of the ply material creates a narrow overlap of ply cords in the radial direction at each junction. These overlapped ply cords slightly restrict the natural expansion of the sidewall when inflated. This results in an indentation. Since all radial tires contain belts, which restrict the tread and keep it flat, only the sidewalls are indented.



Sidewall indentations are purely a visual characteristic and will not affect the performance of the tire. If bulges, rather than indentations, appear on the sidewall or if there is any question concerning the sidewall appearance, the tire should be removed from service. A knowledgeable tire dealer or the manufacturer's representative should be contacted.