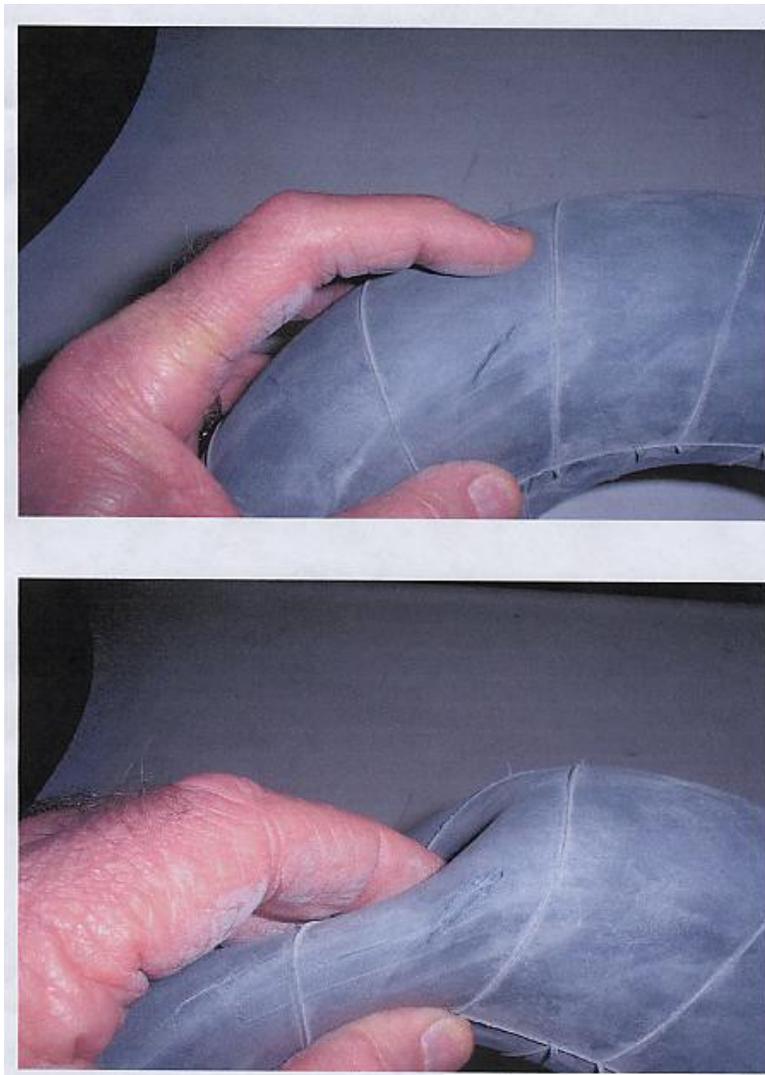


Cessna 172R, Tire Tube Failure, ATA 3245

The Director of Maintenance for a repair station writes, "...this aircraft has experienced three landing gear tire tube failures. These failures all occurred in the sidewall of the tubes. There was no evidence of the tubes having been pinched or otherwise damaged during installation. Damage ranged from small, 1/8 inch splits to a large 1/2 inch split. Examination of the tube sidewalls evidenced what appears to be some form of 'weather checking' that normally appears on old rubber components. All (of these) tubes were of recent manufacture.

One failure occurred on a G15/6.00/6 tube (P/N 302-246-401) with a total time in service of 123.0 hours. Two failures occurred on 5.00x5 tubes (P/N 302-013-400) at 125.0 hours and 112.0 hours, respectively. All were sent to the Goodyear Technical Center in Akron, Ohio for evaluation. This evaluation is currently in progress.

Note: New tires were installed at each tube failure. The removed tires showed no evidence of any defects that may have caused this problem. Attached are photos of the most recent failure."



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Parts Total Time: 120.0 Hours (average)

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