
AIRCRAFT TIRE SERVICE BULLETIN

AIRCRAFT TIRE AND TUBE STORAGE RECOMMENDATIONS

The tread and sidewall of tires are compounded to resist deterioration caused by sunlight and ozone. Nevertheless, stored tires should be protected against these and other potentially damaging conditions. It is recommended that the tires, which have been in stock the longest period of time, be used first.

DO STORE TIRES:

- in an area which is clean, cool, dry, dark, and well ventilated but with a minimum of circulating air
- vertically on tire racks whenever possible. Stacking is permissible only if care is used to prevent distortion of the tires on the bottom of the stack
- protected by an opaque waterproof covering, if outdoors, without creating a high temperature and/or a high humidity area
- where they are raised off the storage surface, if outdoors

AVOID STORING TIRES:

- in an area that is wet, oily, and/or greasy
- where they are subjected to extreme temperatures
- where they are subjected to direct sunlight
- in the same area as an electric motor or other ozone generating source
- on black asphalt or other heat absorbent surfaces
- adjacent to highly reflective surfaces (i.e., sand or snow covered ground)
- on piers, ship decks, or other open unprotected areas

DO STORE TUBES:

- in their original cartons whenever possible. If stored without their cartons, they should be dusted with tire talc and wrapped in heavy paper and stored on shelves - or
- in matching tires. Tires should be clean and dusted with tire talc and with tubes inflated just enough to round them out

NEVER STORE TUBES:

- by hanging over nails, pegs, or over any object that might form a crease in the tube. Such a crease will eventually produce a crack in the rubber

Tire/wheel assemblies can be stored at the full service pressure or at a reduced pressure. Reducing and maintaining the storage pressure at 50 psi (3.5 bar) or 25% of the service pressure (whichever is less) will keep the tire seated on the wheel and may help to reduce aging/ozone cracking.

Before Placing Tires in Service

- Inspect the interior and exterior of the tires to be sure they are clean and free from foreign objects
- Remove any water that has collected in an unmounted tire
- Mount the tire following the tire and wheel manufacturers recommendations
- Check for proper operating inflation pressure

Handling of Tires and Tubes

- Avoid contact with sharp objects such as blades, nails protruding from pallets, and the steel edges of lift trucks and shipping containers which can cause damage

Tire and Tube Age Limit

- Aircraft tires or tubes may be placed or remain in service, regardless of the calendar age, provided all inspection criteria for service/storage or individual customer-imposed restrictions are met

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