

Mountain Information For Aircraft Tyres

Mounting Tube Type Tires on Split Wheels

1. Wipe inside of tire to make sure it is clean.
2. Inflate tube until it is rounded.
3. Dust inside of tire with the correct talc.
4. Insert innertube into tire with the "arrow" on the tube next to the red dot on the tire.
5. Put the tire and tube on the outside wheel half with the valve stem through the valve hole.
6. Put inside half of wheel into tire. Match up bolt holes.
7. Insert wheel bolts, washers and nuts and tighten to correct torque, as set by manufacturer. Work in a criss-cross pattern when tightening.
8. Follow safety rules when inflating. Inflate tire to correct rated inflation pressure. Deflate tire to let tube adjust to proper position. Reinflate to correct pressure and install valve stem locking nut. Tire will have to have pressure adjusted in 12 to 24 hours. Check carefully for leaks. When tire is correctly inflated and leak-free it can be installed on aircraft.

Mounting Tubeless Type Tires on Split Wheels

1. Inspect inside and bead area to be sure tire is clean. Wipe bead area with clean cloth and denatured alcohol.
2. Wipe bead seat and O-ring grooves with clean cloth and denatured alcohol.
3. Put a light coat of grease (MIL-G-7711 or equivalent) on O -ring seal. If there is any question of damage or defect, replace the O -ring seal.
4. Put O -ring seal in groove. Do not stretch or twist.
5. Put tire on inside half of wheel. Put the red dot either by the wheel valve or by the heavy point shown on the wheel.
6. Put outside wheel half inside tire. Line up bolt holes.
7. Insert bolts, washers and nuts. Tighten in a criss-cross pattern to correct torque.
8. Inflate tire to correct rated inflation pressure. Follow all safety precautions. Inspect for leaks and adjust pressure if necessary in 12 to 24 hours. If tire is free of leaks, install on aircraft.
9. NOTE: Lubricating the inner edges of the beads on either tubeless or tube type tires will ease mounting and seating. Use soapstone or talcum powder.

DEMOUNTING TIRES ON SPLIT WHEELS

1. Jack up aircraft at specified point.
2. Completely deflate tire.
3. Remove wheel from axle.
4. Release tire beads from both flanges.
5. Remove nuts, washers and bolts to separate wheel halves.
6. Remove tire when wheel halves are separated.
7. Always check valves on tubeless tire wheels. If there is any question of wear or leaking, replace valve.
8. Take care not to damage o-ring seal or adjacent surfaces when working on tubeless tire wheels.

Be sure to read and follow the maintenance manual furnished by aircraft or wheel manufacturer.