



## **Safety Notice: Installing 26" & 29" tires on Cessna 170, 180 & 185 Aircraft**

The Aircraft Jacking Solutions (AJS) jack is ideal for servicing tailwheel aircraft such as the Cessna 170, 180 & 185. Many owners and shops are utilizing the AJS jack to **upsize** tire sizes from 600X6 & 8.50X6 tire to 26" & 29" tires. **While this exceeds the original design limits of the AJS jack, it can be done safely by strictly adhering to following the steps.**

1. Replace **one tire at a time** while following the AJS operating instructions located on the jack placard.
2. With the aircraft slightly lifted with one or both tires off the ground, there is always a "teeter totter" condition (This is normal).
3. Add weight to the tie down ring (bucket with S hook or equal) to raise the opposite tire off the ground adequate for wheel removal.
4. In addition to using the AJS safety bar, **always use secondary support such as a padded sawhorse placed under the rear doorpost bulkhead.**
5. With the tire removed always place a large wood block (or equal) immediately under the exposed axle.
6. Disassemble the wheel and install the larger tire. **Totally deflate the large tire and even compress it further using a motorcycle strap (or equal) to make it as short as possible for re-installation onto the axle.** Slightly raise the jack if needed and re-install the wheel.
7. Remove weight from the tie down ring and hook it to the opposite side.
8. Remove the opposite tire and follow the same procedure as above.
9. Add air as needed to each tire to allow the jack to be lowered and removed.
10. Finally, inflate both tires to desired inflation.

This procedure eliminates lifting the AJS to an extreme height which exceeds the design intent of the AJS jack. **The jack was designed to replace and service 600X6 and 8.50X6 tire sizes.**

If you have any questions, please give John a call at (858) 228-7904

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