



Over the years, wear has caused some Fourwinds II hubs to lose balance and wobble. To compensate for the wear we recommend the following procedure to place two set screws in the hub, 90° apart, to steady the hub on the shaft.

Remove the Mylar tape that protects the safety set screw for the hub bolt. Using a 1/4" Allen wrench, back out the set screw to expose the hub bolt. Using a 5/32" Allen wrench, remove the hub bolt and separate the propeller hub assembly from the generator.

Clean any grease from the shaft opening and stuff a piece of paper towel in the hole. This will help prevent drill filings from falling into the hole. Looking at the rear of the hub (see Hub Modification diagram) with the hub bolt opening at the 12 o'clock position, drill two holes using a #7 numbered drill bit angled 45° on each side of the hub bolt center line (see Hub Rear View for orientation). The holes should be placed 3/8" (9.5 mm) from the rear of the hub assembly. Tap each hole with a 1/4-20 tap. Remove the paper towel and insure there are no metal filings in the hub shaft opening. Clean the generator shaft and give it a light coat of Lanocote grease. Place the hub back on the shaft and reinstall the hub bolt and the safety set screw. In each of the new holes, using an 1/8" Allen wrench, insert a 1/4" long 1/4-20 set screw. Tighten them evenly. Once they are tightened down, insert a second 1/4" long 1/4-20 set screw to prevent the first from coming loose. We recommend *not* using Loctite on these screws. Cover all openings with Mylar tape for protection against moisture.

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