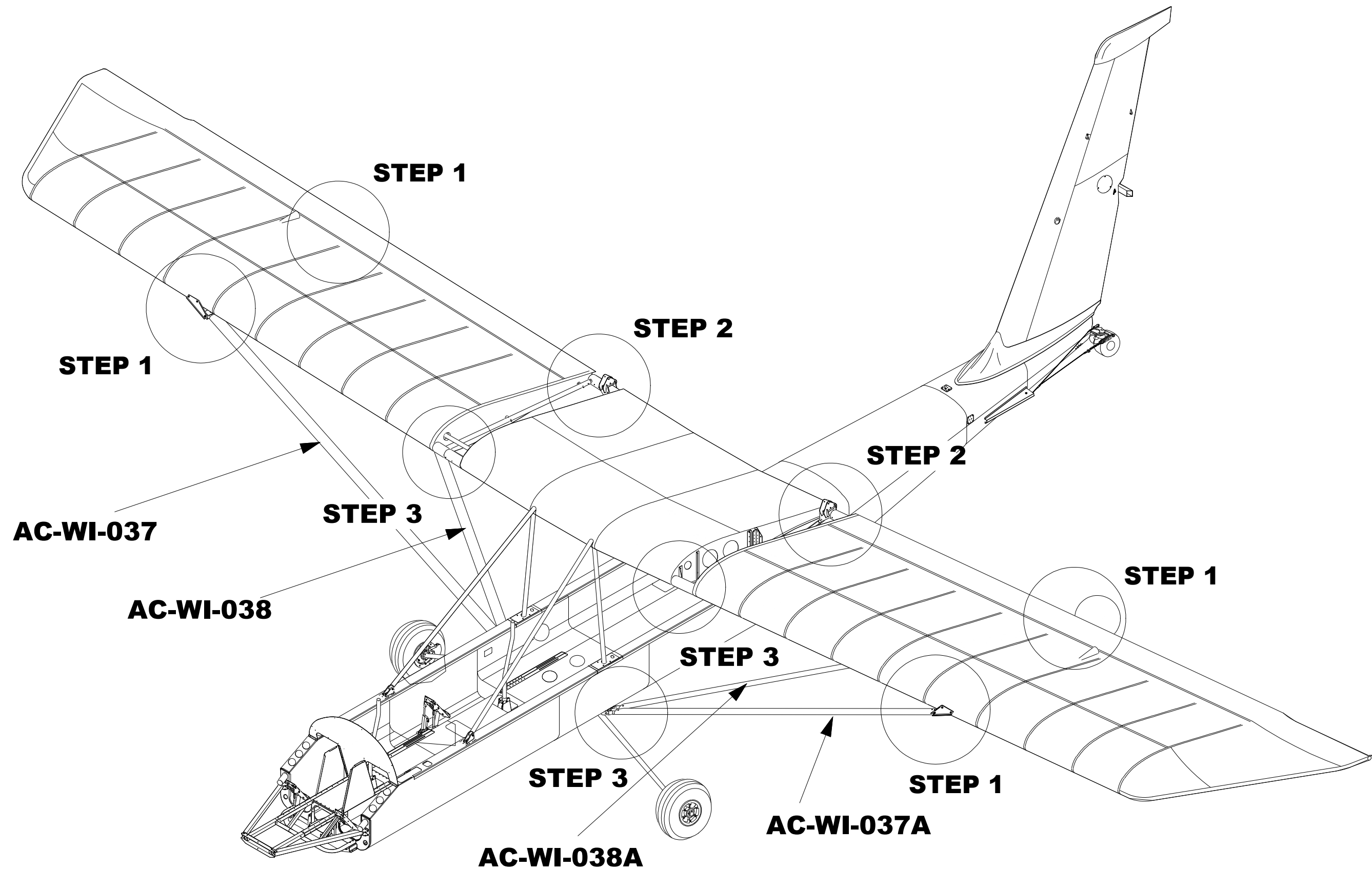
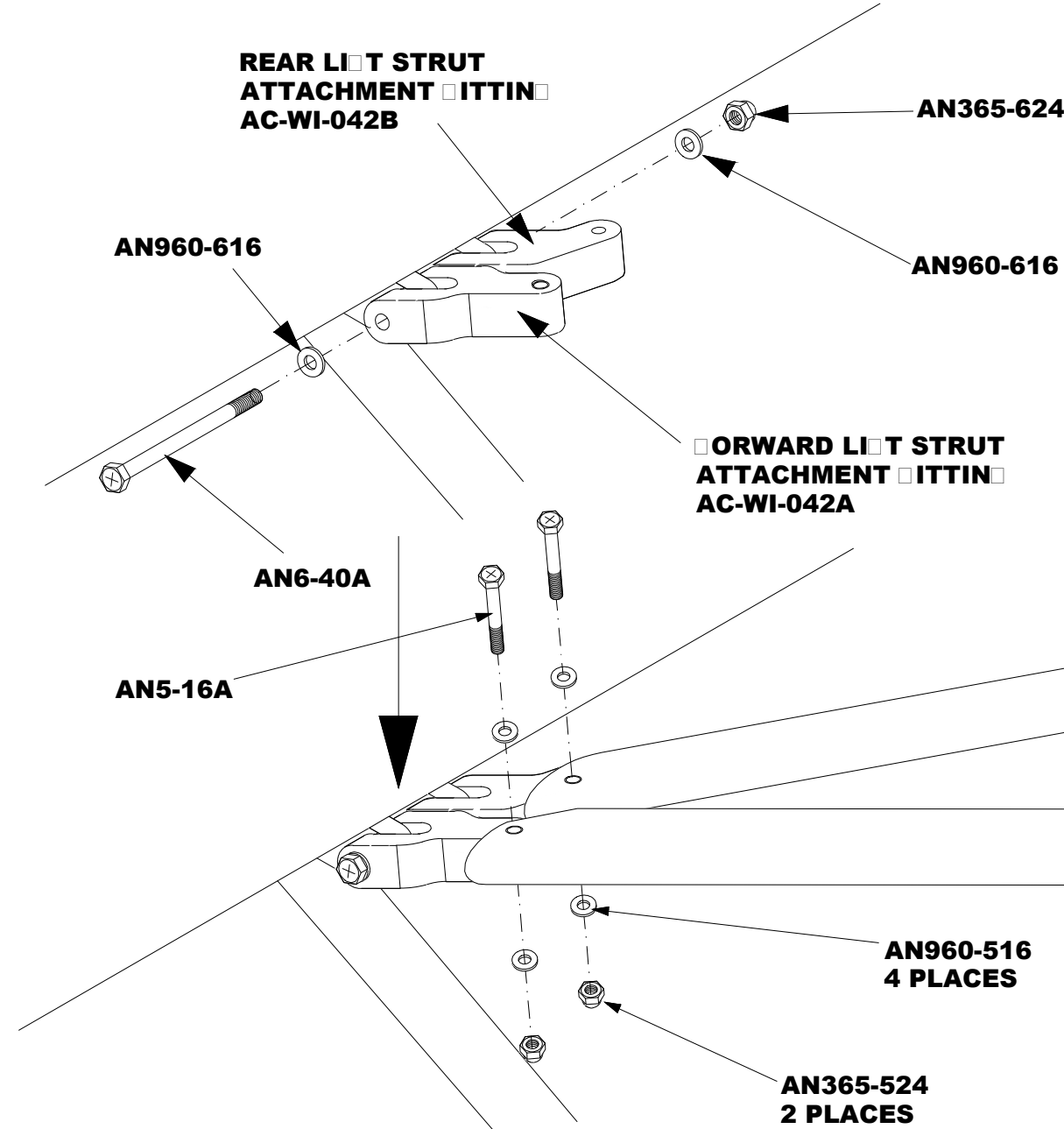




STEP 3. BOLT THE WINGS AND LIFT STRUTS TO THE CENTER SECTION AND USELAGE

As shown below, fit the forward and rear lift strut attachment fittings (AC-WI-042 and AC-WI-042B) into the outboard landing gear bracket on the fuselage. Bolt them in with the AN6-40A bolt and torque the nut just tight enough to allow the fittings to pivot up and down.

Now lift up on the wing and fit the forward strut onto the fitting and insert the AN5-16A bolt with washer under the head. Do the same for the rear strut. You may have to wrap the rear strut with a towel or blanket and twist it slightly with a pipe wrench to get the fitting into the landing gear bracket. After performing Step 4, apply the washers and nuts to the bolts and torque to 30 inch-pounds.



STEP 4. PRELOAD THE WINGS AND DRILL THE FRONT SPAR

As shown on the opposite page, place a blanket under the front spar just outboard of the strut attachment and jack the wing up until the main landing gear wheel leaves the ground. Ensure that the front spar tube on the wing is flush against the front spar tube of the center section and that there is no movement of the spar during drilling.

Now transfer-drill the both 1/8 inch holes in the front of the tube and the 1/8 inch holes in the rear of the tube. Drill all four holes out to 1/4 inch and then drill completely through the spar from front to rear with a 5/16 inch bit, using the 1/4 holes as guides.

Remove the wings (with the struts attached), deburr the holes, then thoroughly grease the front spar sleeves on the wing and remount the wings and struts. Tighten all bolts until they are just snug. Do not overtighten or distort the tubes.

