

## **MAIN GEAR INSTALLATION.**

- ❑ Fit gear centering plate to fuselage gear location bushings. Clean powder coat from bushings as needed and open holes in plate slightly to allow it to slide up the bushings.
- ❑ File a taper on the top side of the plate at the 4 holes to clear welds. This is fore and aft only not all around the holes. The plate is to fit flush to the longerons so chamfer the holes just as much as needed to fit. Tape plate to hold it up.
- ❑ With help, slip main gear spring up and in place between the bushings. The front edge of the gear has no taper on the legs. Rear edge is tapered forward as it runs down to the lower end of the gear. Center gear as best possible by cross measuring from left longeron to right axle bolt holes and likewise the other direction. Install the clamp bars with flat face toward floor not touching the gear spring. Rounded portion should touch gear spring. Bolt heads down, nuts up. Snug clamps up to hold gear and double check centering measurements.
- ❑ Match drill  $\frac{1}{4}$ " hole through center hole in centering plate and through main gear spring. This will get an AN4 bolt through it at final assembly to hold the gear centered.
- ❑ Remove gear from fuselage. Note the following photos show the rubber being installed with the gear on the fuselage. It is easier to do with the gear trailing edge up on saw horses.
- ❑ Follow steps in Gear Rubber installation instructions.
- ❑ Prep, prime and paint gear.
- ❑ Install nut plates in wheel pant brackets.
- ❑ Install wheel pant brackets and axles to gear legs with AN5 and AN6 bolts.
- ❑ Install tires, wheels and brakes I.A.W. wheel manufacturer instructions.
- ❑ Reinstall gear in fuselage with clamp blocks, bolts, centering plate and center bolt.