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SONEX LASER-CUT COMPONENTS

Congratulations on the purchase of your **Easy-Build Sonex Laser-Cut Parts**.

These parts were produced directly from our CAD drawings. The Laser, in effect, is a high-tech cutting torch. Although the shapes of the individual components are precise, they will require edge finishing and the drilling of holes to size during assembly.

On thicker Aluminum (primarily 0.065" and above), you will note that there is "exit flash" materials caused from the laser "burning" through the holes. Since these holes are small in diameter, all of the materials cut may not "blow out". This is inherent to all laser cutting, and does not affect the integrity of the material. This flash material can be easily removed when you pre-drill the holes to #40 drill size. Care should be taken when centering the drill to ensure an accurately located hole. A de-burring tool will remove excess flash.

Also, there may be some "haze" present on the surface of the aluminum along with some brown "burn marks" from the laser. These small surface defects should be polished out with a Scotch Brite™ pad or Scotch Brite™ wheel.

All edges must be filed smooth and/or finished with a Scotch Brite™ wheel to remove all nicks, scratches, and edge burrs which serve as "stress risers" in your parts. This is particularly true of the thicker components. This should be done prior to any bending or forming. It should also be noted to handle all of the parts with care since there are small "burrs" around the holes that have the potential to scratch other parts.

Note: Be sure to remove all white labels and their adhesive residue from all of your kit components. Denatured Alcohol or Mineral Spirits work well for this.