



# AcraPulse ALPHA, U & UX Series

## OPERATION INSTRUCTIONS

It is the responsibility of the employer to place the information on this instruction sheet into the hands of the operator.

### **WARNING**

Always operate, inspect, and maintain this tool in accordance with American National Standards Institute Safety Code for Portable Air Tools (ANSI B186.1) and any other applicable safety codes and regulations.

Always turn off and disconnect the air supply before installing, removing, or adjusting any accessory on this tool or before performing any maintenance on this tool. Failure to do so could result in injury.

### **IMPORTANT**

Make sure that these instructions are fully understood before operating this tool. The tool, its attachments and accessories must only be used for their designed purpose. For product liability and safety reasons, any modifications of the tool and its accessories must be agreed upon by the technical authority of the manufacturer. All locally legislated safety rules with regard to installation, operation, and maintenance shall be respected at all times. The use of sloppy or worn sockets and extensions can cause excessive damage to the pulse unit.

### **USE ONLY POWER DRIVE SOCKETS PER ANSI B107.2**

### **SAFETY FEATURES**

- Torque reaction is virtually eliminated to reduce wrist injury to operator and create ergonomic working environment.
- Optimum torque accuracy and repeatability.
- Uniform fastening torque with narrow mean-shift torque for hard and soft joints.
- Uryu quality and design.

### **TORQUE ADJUSTMENT**

1. For all angle (C type) tools, except ALPHA-C\*, the angle casing assembly must be removed for internal adjustment. To do so, remove the three front bolts on the angle head casing.
2. Remove 4mm or 5mm Allen plug in front casing.
3. Rotate anvil manually until torque adjuster (1.5mm to 3mm Allen screw) is exposed directly in line with opening in front casing. **Caution:** Do not remove round head oil filler plug.)
4. Turn torque adjuster (1.5mm to 3mm Allen screw) clockwise to increase torque and counter-clockwise to decrease torque output. Use AIM/Uryu authorized test equipment for best results.
5. Maximum torque - turn torque adjuster (1.5mm to 3mm Allen screw) clockwise until it bottoms out and back off approximately one and a half turns to set an effective maximum torque for the ALPHA & UX series and one half of a turn to set effective maximum torque for the U series.

\* The ALPHA-C has a knurled band under the angle head that can be pushed up to expose an opening in the angle casing where the torque adjuster can be adjusted through.

### **AIR SUPPLY**

**LINE SIZE:** 3/8" to 1/2" drive should use 3/8" ID line and 3/4" to 1" drive should use 1/2" ID line.

**AIR PRESSURE:** Use air pressure 5.0 - 6.0 Kg/cm<sup>2</sup> (70-85 PSI) for optimum performance. **Caution:** Never use higher air pressure to increase the output of the tool. Overloading will drastically shorten the life of all internal parts.

**DRY AND CLEAN AIR:** Drain daily, and install filter at or near the take-off point to prevent trouble from foreign matter.

**AIR HOSE AND JOINTS:** Use air hose (the shorter, the better), joints, and other fittings of good condition and of proper size to avoid pressure drop.

### **LUBRICATION**

**FOR AIR MOTOR:** Supply light Turbine Oil properly through Air Inlet or line lubricator before and after every operations. For example, Mobil Turbine Oil #32, Shell Turbine Oil #32 and/or equivalent.

**FOR BEARINGS:** Supply recommended high-quality grease (e.g., Shell Alvania No. 2, Mobilplex 2 and/or equivalent) properly once every three months and when the tool is overhauled.

### **MAINTENANCE**

**REGULAR OVERHAUL:** It is recommended that after every 150,000 pulsing seconds or 180 days the fluid in the tool's pulse unit be changed. It is also recommended at such time to grease the bearings in the air motor. If the presence of water is noted, it is recommended that a small amount of oil be run through the air motor to wash out any rust residue in the air motor. It is recommended that after every 300,000 pulsing seconds or 365 days that a pulse unit repair kit be installed in the pulse unit. This also allows the inspection of hard parts in the pulse unit.

**GENUINE PARTS:** The use of other than genuine AIMCO replacement parts may result in safety hazards, decreased tool performance, and increased maintenance and may invalidate all warranties.

AIMCO is not responsible for customer modification of tools for applications on which AIMCO was not consulted. Repairs should be made only by an authorized AIMCO Service Center. Contact AIMCO at 1-800-852-1368 for the authorized Service Center in your area.

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