U-EC / UX-EC & ALPHA-MC / UL-MC 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 with the American National Standards Institute Safety Code for Portable Air Tools (ANSI B186.0) and any other applicable safety codes and regulations.
- Always turn off and disconnect the air supply hose before installing, removing, or adjusting any accessories on this tool or before performing any maintenance on this tool. Failure to do so could result in injury.
- Never use higher air pressure to increase the output of the Acra-Pulse wrench. Overloading will drastically shorten the life of all internal parts.

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.

SETTING OF TIGHTENING TORQUE

Adjusting of the torque should only be done if the X-Bar cannot be achieved through adjusting the air pressure or target torque. For further instructions on this, please refer to the UEC-4500 or 4800 Operations Manual.

U-EC & UX-EC:

1. Remove the four Allen head bolts that hold the front casing in place. While the front casing is off the tool, do not touch the white part of the internal gear.
2. Remove the front casing and socket spindle with the planet gears. If the anvil gear stays on the pulse unit, then keep track of the ball.
3. With a 2mm Allen wrench, turn the torque adjuster counter-clockwise to decrease the torque output and clockwise to increase the torque output.
4. Reverse steps 1 and 2.

ALPHA-MC / UL-MC:

1. Remove the four Allen head bolts that hold the front casing in place; on the Alpha-130MC and the UXR-1820MC, remove the access plate under the throttle trigger and disconnect the connector plug to the transducer.
2. Remove the sensor casing assembly from the tool.
3. Turn the torque adjuster (1.5mm or 2mm Allen screw) counter-clockwise to decrease the torque output and clockwise to increase the torque output.
4. Reverse steps one and two.

AIR SUPPLY

AIR HOSE SIZE: 1/4" NPT air inlet use a 3/8" ID hose; 3/8" NPT air inlet use a 1/2" ID hose; 1/2" NPT air inlet use a 3/4" ID hose; and 3/4" air inlet use a 1" ID hose.

AIR PRESSURE: Air pressure at 85 PSI (6 kg/cm^2) is recommended for the most efficient performance. Some models are recommended to be run at 57 PSI (4 kg/cm^2). **Caution:** Using too high of air pressure will shorten the life of the tool. Consult the catalog for more information.

LUBRICATION

FOR AIR MOTOR: Supply light Turbine Oil properly through Air Inlet or line lubricator before and after every operation. For example, Shell Turbo T 32 and/or equivalent.

FOR BEARINGS: Supply a high-quality grease (e.g., Shell Gadus S2 V100 2 and/or equivalent) properly once every three months or when the tool is overhauled.

MAINTENANCE

REGULAR OVERHAUL: It is recommended that after every 200,000 pulsing seconds or 180 days, the fluid in the tool's pulse unit be changed. At such time, it is also recommended 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 400,000 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 in 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.

LIT-MAN640 Rev. 05/2016
Printed in USA