



# US-LT 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 the 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 the 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.

### **SAFETY RULES FOR AIR SCREWDRIVERS**

1. **READ INSTRUCTIONS CAREFULLY** before operating your air tool. Follow all special safety rules. Learn the tool's applications and limitations, as well as the specific potential hazards peculiar to this tool.
2. **WEAR SAFETY GOGGLES** whenever flying particles are present. Caution is the key to safety.
3. **THE WORK AREA** should have adequate lighting and a clean, uncluttered floor. Cluttered areas and benches invite accidents.
4. **KEEP BODY WORKING STANCE** balanced and firm. **DO NOT OVERREACH** when operating the tool. Keep revolving or moving parts away from body and clothing. Do not wear loose clothing which may get caught in moving parts.
5. **WEAR GLOVES AND PROTECTIVE CLOTHING** to avoid injuries caused by chips or pieces, malfunctioning attachments, or improperly clamped work.
6. **KEEP VISITORS AT A SAFE DISTANCE. DO NOT OPERATE TOOL** with visitors in your work area.
7. **DO NOT FORCE TOOL** beyond its rated capacity. Follow tool specifications for choosing proper size and type of accessories. It will do the job better and safer at the rate for which it was designed.
8. **USE THE RIGHT TOOL.** Don't force a small tool to do the job of a heavy-duty tool. Don't use a powerful tool on light-duty applications.
9. **DISCONNECT AIR SUPPLY** when changing accessories and when inspecting, servicing, or cleaning tool.
10. **HANDLE TOOL SAFELY. DO NOT** carry tool with a finger on or near the throttle or trigger while tool is connected to air supply. **DO NOT** carry tool by the hose. Protect hose from sharp objects and heat.
11. **USE A VISE OR CLAMPS** to hold work whenever possible or necessary.
12. **KEEP TOOLS OPERATING EFFICIENTLY.** Follow instructions for lubrication and maintenance. To ensure proper operation and longer life, maintain required air pressure with water-free, filtered, and lubricated air supply.
13. **DO NOT OPERATE TOOLS** with housing loose.
14. **REPLACE** worn or damaged parts promptly.
15. **USE 85 PSI** air pressure at the tool inlet.
16. **PROTECT YOURSELF** from noise. Noise levels vary with the work surface.
17. **HOLD TOOLS FIRMLY** before pressing throttle and engaging work.

### **AIR SUPPLY**

**AIR PRESSURE:** 85 PSI (6 kg/cm<sup>2</sup>) air pressure is recommended for the most efficient performance. **CAUTION:** Never use higher air pressure to increase the output of the tool. Overloading will drastically shorten the life of all internal parts.

### **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 GEARS AND BEARINGS:** Supply recommended high-quality grease (e.g., Shell Alvania No. 2, Shell Alvania, Mobilplex 2, Mobilplex 47 and/or equivalents) properly once every three months and when the tool is overhauled. Over-greasing will cause dull motion or heating.

### **MAINTENANCE**

**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.

**REGULAR OVERHAUL:** At least once every three months, a regular or periodical overhaul by a competent person is needed for best performance, trouble-free operation, and maximum tool life.

**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. Use only Uryu's genuine spare parts for replacement.

### **ATTENTION**

For correct use of tool, tilted setting of the tool on the job causes irregular stop. Apply the tool to the screw at right angle.

### **EXTERNAL TORQUE ADJUSTMENT (AIR SHUT-OFF)**

Set the hand driver through the slot into the key hold on the adjusting gear and turn clockwise to increase torque and anti-clockwise to decrease.

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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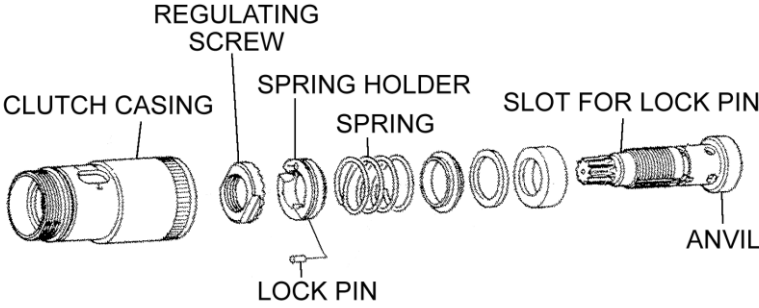
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## OPERATION INSTRUCTIONS

### **PROCEDURE FOR CHANGING SPRING IN THE US-LT SERIES DRIVER**



1. Remove clutch casing (left-hand thread).
2. Remove clutch assembly from gear section on tool.
3. With No. 2 Phillips head screwdriver, remove regulating screw.
4. Remove spring holder and lock pin.
5. Remove spring from anvil and replace with different spring.
6. Install spring holder onto the anvil and slide the lock pin back into spring holder and into the slot on the anvil.
7. Install regulating screw so there are threads showing above it.
8. Install clutch assembly back into gear section.
9. Install clutch casing back onto tool.
10. You are now ready to test and adjust the tool to the desired torque output.

### **TROUBLE-SHOOTING**

PROBLEM	CAUSE	SOLUTION
Loses torque every time the tool is run down. Finally, the tool will not run.	The lock pin did not get put back into the spring holder.	Put pin into spring holder and into slot on the anvil.