

UNI-LIFT®

Screw Jacks & Lifting Systems

Instruction Sheet

UMG Series UNI-LIFT® Mitre Gear Boxes

L2971 Rev. C 01/20

1.0 IMPORTANT RECEIVING INSTRUCTIONS

Visually inspect all components for shipping damage. Shipping damage is not covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

2.0 SAFETY



WARNING: Lockout power to electric motor (or other prime mover) before installing the gear box or before performing any adjustments, maintenance or repairs.

Be certain that the motor cannot be automatically started. Failure to observe these precautions may result in serious personal injury or death!

- Follow appropriate safety precautions to avoid personal injury or property damage during gear box installation and operation. UNI-LIFT® cannot be responsible for damage or injury resulting from unsafe product use, lack of maintenance or incorrect product and/or system operation.

- Never operate the gear box above its rated input speed.
- Stay clear of moving and rotating parts driven by the gear box. Install guards as required (See additional information in Section 3.0).
- Contact UNI-LIFT® before incorporating UNI-LIFT® products into a man lift or other people moving device (special design requirements apply).

3.0 INSTALLATION

- The gear box is manufactured by an UNI-LIFT® approved supplier. Manufacturer's instructions may be packed inside the shipping carton. If present, read and follow these instructions during installation procedures.

- Install gear box air breather (if provided - not present on all models). Be sure that breather is installed in the proper location.
- Verify that gear box input and output shafts are properly installed and precisely aligned with connected devices.
- Verify that gear box housing is securely bolted to a platform, structural member or other solid support surface.
- Comply with and adhere to all applicable safety codes for your area, such as: building codes, elevator codes, AISC Steel Construction specifications, and applicable regulations and standards (including OSHA Title 29, Chapter 1910-219 and ANSI B15.1). **Note:** Applicable safety codes, regulations and standards will vary depending on country and local requirements.
- Test for proper operation before placing the UNI-LIFT® system into service. Check for any indications of misalignment, binding or loose components. Verify proper shaft rotation.
- Install guards over rotating or moving parts as required.



WARNING: Failure to install guards may result in serious personal injury or death.



IMPORTANT: Proper installation of guards over rotating or moving parts is the installer's responsibility. Guards must be installed as needed, and in accordance with all applicable codes and regulations. Guards are not available from UNI-LIFT® and must be obtained from other sources or fabricated by the installer.

- Contact UNI-LIFT® or your UNI-LIFT® distributor if there are any questions or concerns regarding gear box installation.

4.0 MAINTENANCE

- Follow the gear box manufacturer's recommendations regarding oil changes and routine maintenance.
- Keep the gear box clean. Periodically wipe it down to remove any loose dirt or grease.
- Periodically check the area around the gear box seals for any signs of oil leakage and/or seal damage.
- Periodically check the gear box mounting bolts for tightness.
- If problems such as excessive heat or unusual noises are noticed, stop operation immediately. Determine the cause(s) of the problem and take appropriate corrective action(s) before resuming operation.
- Do not attempt to disassemble the gear box. Disassembly, modification or tampering will void warranty. Inspection and repairs should be performed only by an authorized manufacturer's service center.

5.0 WARRANTY

- Mitre gear boxes are covered by the gear box manufacturer's standard warranty (UNI-LIFT® warranty is NOT applicable).