

**U.S. Lift Systems**  
Ellington, MO. 63638  
**877-660-7555**

**Magnum Lift Installation Instructions: 2 Speed Landing Gear**

- 1) Remove factory crank and rod.
- 2) Remove mounting bracket from gear box of your new Magnum Lift. Temporarily slide mounting bracket over the metal bearing boss on the two-speed landing gear and position bracket best suited to your application.
- 3) With the shaft pulled out on your two-speed landing gear into low speed (easiest to crank), hold your new Magnum Lift gear box in position (note mounting slots in bracket) to determine the length the shaft needs to be cut.
- 4) Remove mounting bracket and cut shaft to proper length. Note: Before cutting, be sure landing gear is in low speed. Your Magnum Lift gear box is not designed to work in high speed and improper installation will void warranty.
- 5) Reinstall mounting bracket and secure loosely in place with setscrews provided.
- 6) Slide Magnum Lift onto shaft and secure loosely to bracket with the two screws that you removed earlier.
- 7) Drill hole through shaft with a 3/8" diameter drill bit. Use the coupler on the Magnum Lift as a drill guide. Drill hole one half way through from one side then rotate shaft and drill from the other side for better alignment.
- 8) Insert bolt provided through coupler and newly drilled hole in shaft and tighten nut securely.
- 9) After checking for proper alignment of gear box to shaft, tighten setscrews securing mounting bracket to bearing boss and also tighten screws securing gear box to mounting bracket.
- 10) Route and secure the cord marked battery from the switch box to the battery box. Cut to proper length and attach directly to battery using ring terminals supplied (red wire to positive - black wire to negative).
- 11) Route and secure the cord marked motor from the switch box to the motor on the Magnum Lift with the splice couplers supplied. Attach leads directly to the motor leads (red wire to the red wire - black wire to black wire). The switch box is fused so no additional fuses are required.
- 12) Test switch for proper direction. In the event direction is not correct, it may be reversed by switching red and black wires at the motor.
- 13) With unit running, it is important to recheck alignment of gear box to shaft. If not running smoothly, you may need to loosen mounting screws letting unit readjust, then retighten screws.