

U.S. LIFT SYSTEMS

Ellington, MO 63638

877-660-7555

Magnum Electric Lift for Single Speed Manual Jack Installation Instructions

- 1) Remove factory crank and rod from your existing manual jack. Also remove cap from the top of the jack tube. Any grease fittings on the front of the jack leg that might be in the way of the bracket or in the way of using a square to square the bracket should be removed.
- 2) Attach mounting bracket to the face (drive shaft side) of your new Magnum Lift gear box with the (4) $\frac{1}{4}$ " x $\frac{1}{2}$ " bolts and star lock washers provided (will only mount in one position).
- 3) Hold your new Magnum Lift gear box in position to determine the length the shaft needs to be cut. With the drive shaft slid over the jack shaft, measure the distance from the end of the bracket to the outer edge of the front of the jack tube. Also pay attention to the placement of grease fittings (if any) on the front of the jack tube. This measurement will determine the amount the jack shaft must be cut off.
- 4) Cut shaft to proper length.
- 5) Position Magnum Lift gear box and secure to jack leg with vice grips using a square to square the bracket with the jack leg. Check to make sure alignment is proper and there is no binding at the drive shaft.
- 6) Using the (2) $\frac{1}{4}$ " holes and the (1) $\frac{1}{4}$ " slot in the mounting plate as a guide, drill (3) $\frac{1}{4}$ " holes through the jack leg and secure the mounting plate to the jack leg with the (3) $\frac{1}{4}$ " x $\frac{3}{4}$ " bolts, lock washer and nuts provided. Replace cap on top of jack tube. Replace grease fittings.
- 7) Drill hole through shaft with a $\frac{3}{8}$ " diameter drill bit. Using the hole in the coupler on the Magnum Lift as a drill guide, drill hole 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) Mount switch box in a position so your cable length is adequate to reach your battery box and the motor leads on your Magnum Lift.
- 10) Route and secure the cable marked motor from the switch box to the motor on the Magnum Lift. Attach leads directly to the motor leads (red to the red wire – black to the black wire).
- 11) Route and secure the cable marked battery from the switch box to the battery box. Attach black wire to the negative terminal on battery. Mount breaker in a secure location and attach red wire to the positive terminal on battery.