

ELECTRO LIFT, INC.

204 SARGEANT AVENUE, P.O. BOX 827, CLIFTON NJ 07013
TELEPHONE 800-338-9951
FAX NUMBER 973-471-2814

Instructions for Removing and Reinstalling Motor From Type "B" Hoist:

See the Standard Parts List in the Service & Maintenance Section at www.electrolift.com or drawing M-12439 (to be provided) for exploded view of gearbox and parts list.

Motor Removal

1. Turn power off to hoist.
2. Disconnect all electrical connections to hoist and trolley; lower hoist to floor.
3. Support gear case so that it does not rotate when the motor is removed.
4. Disconnect electrical wiring at motor junction box.
5. Remove (7) bolts (Item #30) holding adapter ring to gear case.
6. Remove (2) bolts holding motor feet to frame.
7. Using a heavy, soft mallet, drive "motor/brake/adapter ring" combination away from gear case until pry bars can be inserted between adapter ring and gear case. Using (2) pry bars 180 degrees apart and gentle pressure, ease "motor/brake/adapter ring" combination away from gear case.
Note: the "motor/brake/adapter ring" combination must be supported during this operation.
8. Remove motor shaft sleeve (Item #13) from worm shaft using appropriate gear puller.

Motor Installation

1. Apply a liberal amount of anti-seize compound to the worm shaft and inside of the old sleeve.
2. Align the replacement motor (with brake, adapter ring, and sleeve) with the gear case, being particularly careful to line up the key in the worm shaft with the key in the sleeve.
3. Drive the motor into the gear case using a soft, heavy mallet until the gear case-to-adapter ring bolts (Item #30) can be engaged. Tighten these bolts in a cross pattern a little at a time so that the adapter ring is drawn evenly into the gear case. When the adapter ring is seated, tighten these bolts (Item #30) to 15 ft/lbs torque.
Caution: When driving the motor to the gear case, hold the motor/brake assembly in place and hit the gear case to drive it into place.
4. The motor has now been properly reinstalled and may be reconnected electrically. The replacement motor and brake may weigh more or less than the original. It will be necessary to rebalance the hoist.