

ELECTRO LIFT, INC.

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Instructions For Installing Motor & Adapter To Gear Case On Type "D" Hoist

See the Standard Parts List in the Service & Maintenance Section at www.electrolift.com or drawing M-12442 (to be provided) for exploded view of gearbox and parts list.

1. Turn gear case to a vertical position so that gear case opening is on the top and the gear (Item #28) is visible (remove and discard the temporary cover). Shim gear case so that it doesn't tip over.
2. Remove the vent plug and fill the gear case with oil in the opening where the worm wheel (Item #12) is visible.
3. Using a putty knife or other suitable tool, apply a liberal coating of Permatex Ultracopper Sealant (DM7394) to the (2) mating machined surfaces of the gear case (Item #34) and the motor attaching bracket (#2337).
4. Being very careful so as not to nick or damage the spur pinion (Item #31) or spur gear (Item #28), gently lower and engage the pinion and gear. Continue to lower the assembly until the motor attaching bracket (Item #26) engages the gear case (Item #34). (a small winch or hoist is very helpful).
5. Using bolts, nuts & lock washers (Items #17, #24, #25) along with the bolts and lock washers (Item #18 and #24), tighten the motor attaching bracket to the gear case with a cross method of tightening to ensure that no leaks occur. (If unit leaks later on, these bolts can be retorqued).
6. Lower the gear case to its original horizontal position.
7. Install vent plug (Item #35).
8. Replace the (2) gear case support straps.
9. Anchor the motor feet securely.
10. Provide power to the motor leads.
11. Run unit in each direction and check for unusual noises, vibrations, etc.
12. After unit is shut down, check for oil leaks and remove and check the oil check plug (Item #37) for the proper level of oil. Reinstall check plug.