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Instructions for Removing Motor from Type "C" Hoist

See the Standard Parts List in the Service & Maintenance Section at www.electrolift.com or drawing M-12441 (to be provided) for exploded view of gearbox and parts list.

1. Lower hoist to floor and disconnect power.
2. Remove the angle bracket that holds the motor (or gear case) to the hoist frame and let the motor rest on the hoist frame.
3. Remove the (6) bolts (Item #25) and nuts (Item #26) that fasten the gear case (Item #40) to the motor attaching bracket (Item #27).
4. Strike the motor attaching bracket sharply with a soft, heavy mallet to separate the attaching bracket and the gear case.
5. While supporting the motor, carefully separate the motor attaching bracket and motor from the gear case. It is very easy to damage the teeth on the spur pinion (Item #33) and/or the spur gear (Item #28) during this procedure.
6. Remove the nut (Item #35) and lock washer (Item #34) from the end of the motor shaft. Then using a suitable gear puller, remove the spur pinion (Item #33) from the motor shaft. Remove the (7) bolts (Item #24) holding the motor attaching bracket to the motor adapter ring. The motor and brake may now easily be separated from the motor attaching bracket. During this operation the bearing holder (Item #32) may come off on the motor shaft.
7. If the bearing holder is to be transferred to another motor shaft, care should be taken to avoid damaging the oil seal and bearing. When fitting the bearing holder back into the motor attaching bracket during reassembly, coat the outside of the bearing holder with Permatex Ultracopper Sealant (DM7394) or similar type sealant to prevent oil seepage past the bearing holder.
8. Reassemble the remainder of the gear case in the reverse order of disassembly, again being careful not to damage the teeth on the spur gear set.
9. Reconnect the motor leads and refill the gearcase with (4) quarts of Exxon Cyclesstic TK680 (DM7146) or equivalent.