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Instructions For Replacing Drum On Single Hook Hoist

1. Turn power off to hoist.
2. Disconnect all electrical connected to hoist and trolley, lower hoist to floor.
3. Inspect cable for any damage.
4. Remove dead ending pin, carefully wrap cable with hook block assembly onto drum. If reeving is 4 part single you must remove the upper sheave and pin in order to wrap cable with hook block and sheave onto drum.



5. Remove drum guard.
6. Remove outboard ball bearing cover or geared limit switch & bracket.



7. Remove screws on motor pickup. Typically there are: (1) screw for a "M" or "A" hoist; (4) screws for a "B" hoist; (1) screw for a "C" hoist; and (2) screws for a "D" hoist. To identify hoist see chart

HOIST	GEARCASE MARKING
M	P419
A	T478
B	T477
C	T479
D	P417

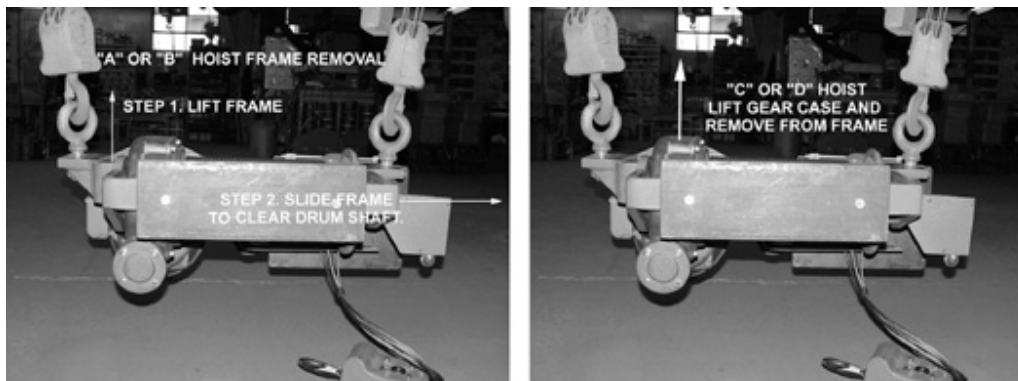


- Using a soft mallet, hit the frame on the outboard ball bearing side (drum side) driving the frame off the gearcase.



- Remove the outboard ball bearing from the drum shaft.

10. If hoist is an "A" or "B" hoist, lift the frame to clear the gear case and slide frame away to clear drum shaft. If hoist is a "C" or "D", lift gear case and remove from frame.



11. Loosen setscrew on drum and remove with puller. Note: some drums may have two setscrews per hole.



REASSEMBLE

12. Apply anti seize compound on drum shaft.
13. Insert keys in slots of drum shaft, align drum onto drum shaft.
14. Spot drill drum shaft at pre drilled hole in last groove of drum. Be careful not to damage threads. Use 27/64" dia. "long shank" drill for 1/2" setscrew. Use 21/64" "long shank" drill for 3/8" setscrew.
15. Coat threads of set screw with medium strength thread lock cement (blue loctite or equivalent)
16. Place *knurled* cup point socket set screw against shaft into spotted hole and tighten to recommended seating torque: 3/8" dia. Setscrew = 24 ft.-lbs., 288 in.-lbs.
1/2" dia. Setscrew = 52 ft.-lbs., 624 in. Lbs.
(do not try to move drum with setscrew tightened.)
17. If hoist is an "a" or "b" hoist slide frame onto drum shaft and lower the frame to the gear case. If hoist is a "c" or "d" hoist lower gear case into the frame. (see step 7)
18. Install the outboard ball bearing to the drum shaft.
19. Using a soft mallet hit the frame onto the gearcase.
20. Install and tighten motor pickup screws.
21. Install outboard ball bearing cover or geared limit switch & bracket
22. Install drum guard.
23. If hoist is 4 part single reeving you must install upper sheave and pin.
24. Reeve cable onto hoist.
25. Attach cable clips per service manual.
26. Connect all electrical connections to the hoist and trolley, raise hoist to original location.
27. Turn power on to the hoist.
28. Check hook block movement and insure that the hook block moves correctly.
29. Retorque cable clips after applying load.