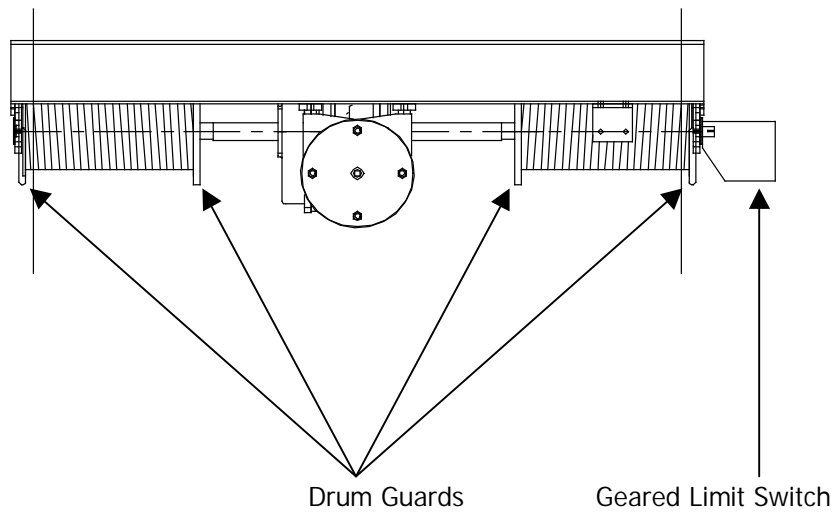
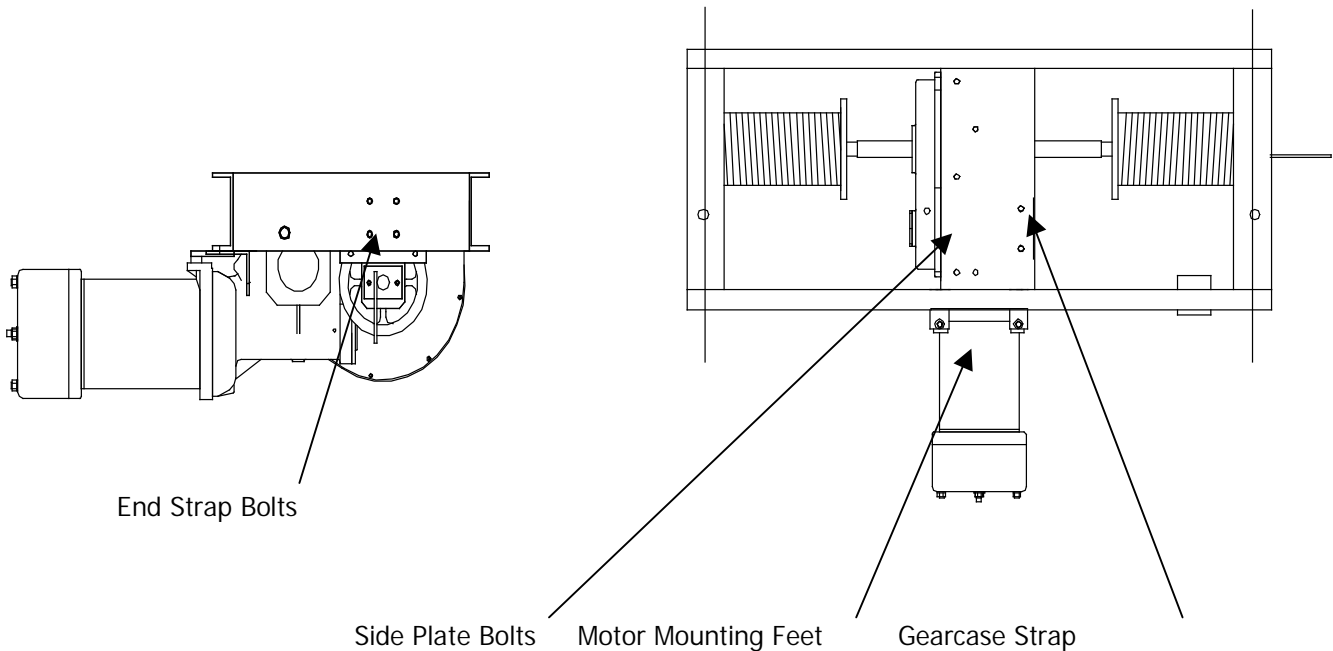


BC Drum Shaft Removal Instructions

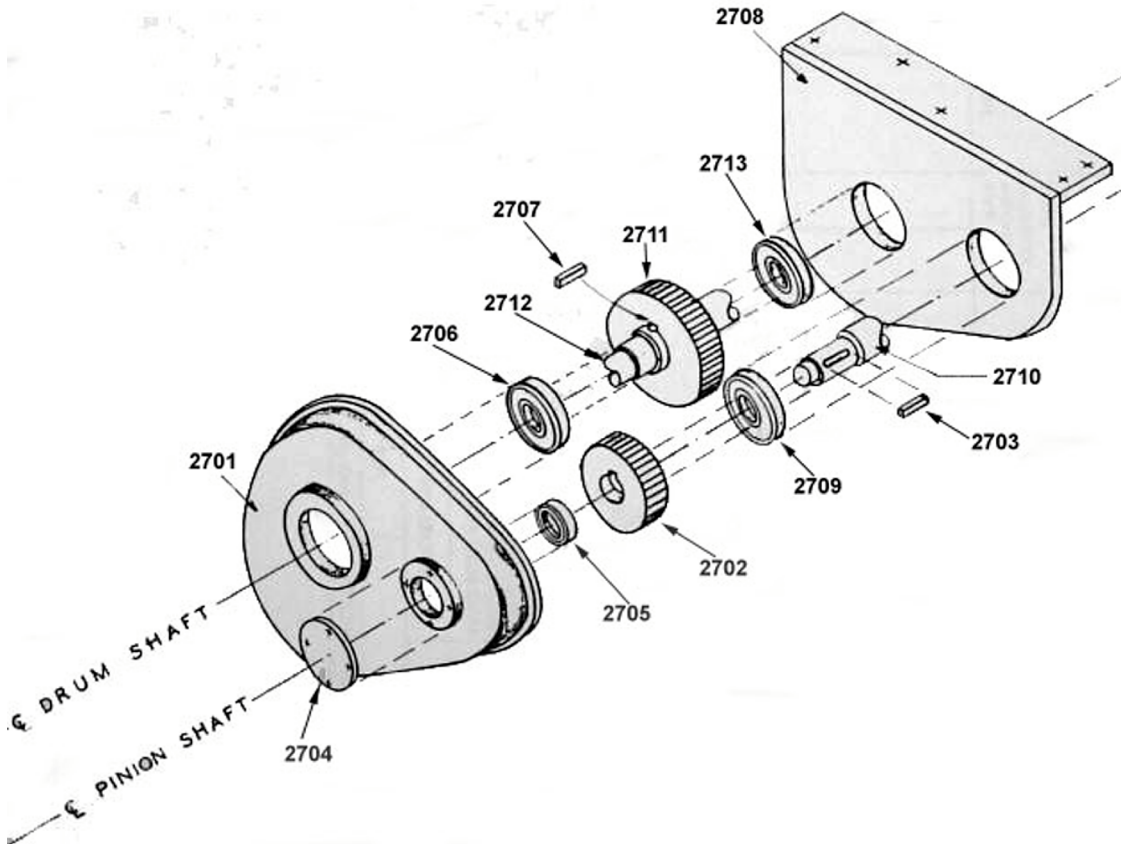
1. Inspect cable for any damage.
2. Remove dead ending pin and carefully wrap cable with hook block assembly onto drum. If reeving is 4 part single, you must remove the upper sheave and pin in order to wrap the cable and hookblock onto drum.
3. Turn power off to hoist.
4. Disconnect all electrical connected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



6. Remove drum guards.
7. Remove geared limit switch.



8. Remove outboard bolts from end straps, side plate, motor mounting feet, and gearcase suspension strap.
9. Disconnect motor leads at terminal box.
10. Raise frame evenly on both ends, remove outboard strap and bearing.
11. Remove drum setscrews. Tap with a soft mallet and slide drum off of the shaft. For a drum with a tight fit on the shaft you may need a puller to remove drum.



12. Remove spur gear cover bolts (10 bolts for 'BC', 7 bolts for 'AB') and 2 roll pins.
13. Remove spur gear cover (#2701).
14. Remove drum shaft ball bearing (#2706).
15. Slide drum shaft (#2712) and spur gear (#2711) as one unit to clear side plate (#2708).
Note: The spur gear is a press fit onto the drum shaft. Use caution to remove spur gear from drum shaft.
16. Inspect spur gear (#2711), spur pinion (#2702) and ball bearings (#'s 2705, 2706, 2709 and 2713). Replace any worn parts.
17. Press spur gear (#2711) onto new drum shaft (#2712). Electrolift uses a hydraulic press capable of 10,000 lbs.
18. Clean all mated surfaces of the side plate (#2708) and spur gear cover (#2701).
19. Lubricate gears, cover and side plate (see picture #1) with grease used for standard duty and high temp applications. (Exxon Ronex MP)
20. Slide new drum shaft (#2712) with spur gear(#2711) through side plate.
21. Apply a Hi-temp gasket maker (Permatex-loctite Ultra Copper) at mated surfaces.
22. Install roll pins in side plate (#2708). Attach spur gear cover (#2701) to side plate.
23. To assemble reverse from step 12.