CHANGING WORM SHAFT
OIL SEAL
B-TWIN FLOOR MOUNTED, B-TWIN MONORAIL AND B-TWIN OVERHEAD MOUNTED GEAR CASE

1. IF OIL IS SEEN AT THE BOTTOM OF MOTOR ATTACHING SCREWS (#32), OIL SEAL (#11) NEEDS TO BE REPLACED.
2. DISCONNECT POWER TO HOIST.
3. DRAIN OIL FROM GEARCASE.
4. DISCONNECT L1, L2 AND L3 WIRES AT MOTOR JUNCTION BOX. REMOVE 7 MOTOR ATTACHING SCREWS (#32). SUPPORT MOTOR TO INSURE NO DAMAGE IS DONE TO SLEEVE (#12). PULL MOTOR FROM HOIST.
5. REMOVE SLEEVE (#12) TO ACCESS OIL SEAL.
6. REMOVE OIL SEAL (#11). CAUTION: DON’T USE A SHARP TOOL TO REMOVE OIL SEAL. THIS CAN RESULT IN DAMAGE TO THE BEARING’S CAGE. SEE TOOL NOTE.
7. USE A CLOTH TO CLEAN SURFACE OF WORM SHAFT (#7) AND GEARCASE.
8. IF EXPOSED PLACE ELECTRICAL TAPE OVER KEYWAY. THIS WILL PROTECT THE OIL SEAL FROM THE SHARP EDGES OF THE KEYWAY.
9. USING LOCTITE RTV 598, PART #DM7864 COAT OUTSIDE OF THE NEW OIL SEAL. COAT INSIDE OF OIL SEAL USING GEARCASE LUBRICANT.

PARTIAL CROSS-SECTION OF WORM, SEAL & BEARING.
10. INSTALL NEW OIL SEAL TO THE DEPTH NOTED ABOVE. DO NOT USE ANY SHARP TOOLS TO PRESS SEAL IN PLACE.
11. INSTALL SLEEVE (#12).
12. ATTACH MOTOR ASSEMBLY AND CONNECT L1, L2 AND L3 PROPERLY.
13. FILL GEARCASE WITH 18oz. OF EXXON CYLESSTIC TK 680. ELECTROLIFT PART #DM7146.
14. CONNECT POWER TO HOIST.

TOOL NOTE: A TOOL MAY BE MADE FROM A 10-32 ROD. BEND A ROD TO FORM A 1/4” HOOK ON ONE END. FORM A HOOK ON THE OPPOSITE END LARGE ENOUGH FOR ONE OR TWO FINGERS TO FIT INTO THE HOOK. SMOOTH EDGES OF THE TOOL. PROBING THE OIL SEAL YOU CAN FIND A WEAK AREA OF THE SEAL. PUSH THE TOOL PAST THIS AREA, HOOK AND PULL OIL SEAL TO REMOVE FROM THE SHAFT.