

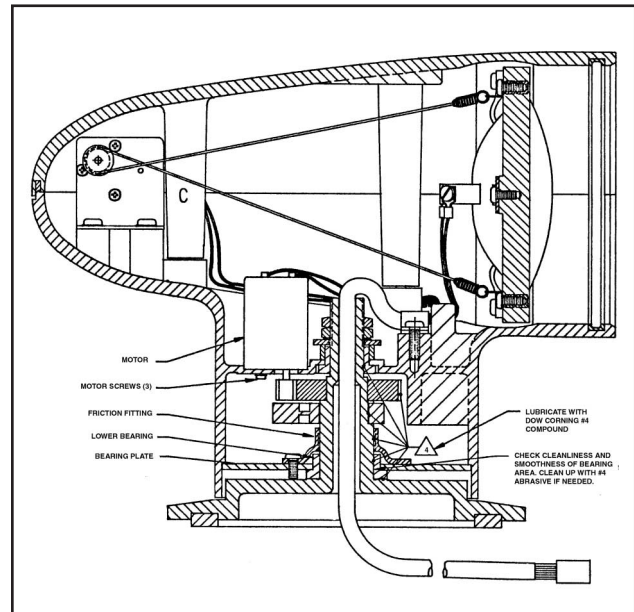
SEARCHLIGHTS HORIZONTAL DRIVE MOTOR REPLACEMENT INSTRUCTIONS

DISASSEMBLE

1. With a short phillips screwdriver remove the four (4) screws holding the upper housing to the lower housing.
2. Lift the upper housing off the lower housing.
CAUTION: Take care that the glass lens does not come with the upper housing, fall and break.
3. On the bottom motor carefully heat the solder joint enough to release the yellow and blue wires.
NOTE: The position of the wires.
4. Loosen the two (2) large 5/8-18 nuts and slide them up the wires out of the way.
5. Lift the whole lower housing assembly up off the base shaft enough to lay it back to allow access to the three (3) screws that fasten the motor to the housing.
6. Remove the three (3) screws and take out the motor.
7. Lift the bearing plate, lower bearing, friction plate assembly up the shaft to expose the area of the shaft under the friction fitting, and lower bearing. Check the cleanliness and smoothness of this area. Clean up with #400 abrasive if needed.

REASSEMBLE

1. Lubricate the areas on the shaft noted on the exploded view.
2. Lower the bearing assembly on the shaft to it's original position.
3. Mount the new motor into the housing using the three (3) new screws provided and the original star washers.
4. Carefully slip the lower housing assembly over the base shaft and let it settle into position.
5. Thread the first large nut onto the base shaft lightly finger tight.
6. Thread the second large nut onto the shaft and down to the first nut.
7. Holding the first nut firmly, tighten the second nut securely, locking onto the first nut.
8. Solder the wires to the motor. The yellow wire should be on the terminal towards the front of the light. The blue wire will be towards the rear.
9. Turn on the light to make sure that the direction of rotation is correct, if not, reverse the wires on the motor.
10. Replace the upper housing onto the lower housing making sure that the housing gasket is up against the lens gasket.
11. Re-install the four (4) housing screws securely



Model 60010-Series

CAUTION: Take care to align the ribs in the lower housing with the notches in the bearing plate.

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