



## Side-Power Thruster Recommended Annual Maintenance

- 1) Remove prop(s) and grease prop shaft with a marine grade grease.
- 2) Apply fresh bottom paint to prop(s), gearleg and tunnel.
- 3) Replace zincs.
- 4) Check oil in feed tube for water. If the oil is milky in color, water is present and the gearleg needs to be serviced by a qualified marine technician.
- 5) Check gearleg oil reservoir level, top off as necessary. EP90 (Extreme Pressure) gear oil is recommended. If necessary, 90 weight inboard/outboard gear lube, 80-90 weight, or 85-90 weight gear oil (available at automotive parts stores) can be substituted.
- 6) The gearleg oil should be changed every two years. Remove the gearleg drain plug and allow fresh oil from the reservoir flush out the old oil. Re-install drain plug with new copper gasket and top off reservoir.

**Note: Sealed gearlegs are permanently sealed and do not require oil changes.**

- 7) Test the condition of the batteries. They should have a minimum of 12.6 volts.
- 8) Inspect all cable connections; ensure they are clean and tight.
- 9) Vacuum or blow out motor to remove carbon dust. Avoid breathing carbon dust when blowing motor out with compressed air.
- 10) Inspect motor brushes: Pull back brush retaining springs and slide brushes back and forth in their holders. They should be loose and slide freely.

**Note: Ignition Protected (IP) units do not require steps 9 and 10.**

