

# PROPELLER REPLACEMENT



**Caution:** Always wear safety glasses and gloves. Disconnect all power to the trolling motor before beginning any work or maintenance. Johnson Outdoors Inc. is not responsible for any damage due to improper rigging or installation. If you do not have the skills, experience and tools to perform the following maintenance and repairs, we recommend you seek the help of a Minn Kota Authorized Service Center. A list of Authorized Service Centers can be found at [www.minnkota.com.au/dealer-locator/](http://www.minnkota.com.au/dealer-locator/). Or contact our Technical Service Department by email at [service@bla.com.au](mailto:service@bla.com.au)

## TOOLS NEEDED

- Spanner (either a 1/2" or 9/16" depending on the model)
- Flat Blade Screwdriver (only needed if the prop pin is broken)
- Disconnect the positive motor lead from the battery prior to changing the propeller.
- Hold the propeller and loosen the prop nut with a pliers or a spanner.
- Remove prop nut and washer. If the drive pin is sheared/broken, you will need to hold the shaft steady with a screwdriver blade pressed into the slot on the end of the shaft (Figure 1).
- Turn the old prop to horizontal (Figure 2), to prevent the drive pin from falling out, and pull it straight off. If the drive pin does fall out, push it back into the armature shaft.
- Align new propeller with drive pin.
- Install prop washer and prop nut.
- Tighten prop nut 1/4 turn past snug, [25-35 inch lbs.]. **Caution:** Over tightening can damage prop and bend the drive pin.



**FIGURE 1**



Lower unit and prop with debris

**FIGURE 2**

**Caution:** DISCONNECT THE MOTOR FROM THE BATTERY BEFORE BEGINNING ANY PROP WORK OR MAINTENANCE.

**Note:** We recommend removing the prop after every use to check for weeds or fishing line that may be caught behind it (Figure 4). This can result in damage to the seals and allow water into the motor (Figure 3). Debris is not always visible (Figure 2) which is why the prop must be removed to be properly inspected.



Water damage to the lower unit

**FIGURE 3**



Weeds caught behind propeller

**FIGURE 4**