

## A. PROPELLER REMOVAL

1. Remove the cotter pin.
2. Loosen the prop nut two turns. To prevent propeller damage, do not remove the prop nut at this point.
3. Position the prop puller and tighten. If the propeller does not break loose when the prop puller is tight, tap on the end of the puller screw with a soft-faced hammer. The force from the hammer taps should be parallel to the drive shaft. Alternate tightening the puller and tapping until the propeller breaks loose from the drive shaft.
4. Remove the prop nut.
5. Remove the propeller.

## B. PROPELLER INSTALLATION

1. Inspect the tapers and keyways of the drive shaft and propeller to ensure they are clean and burr-free. Clean and deburr as needed.
2. Inspect the key for wear. Replace the key if worn or damaged.
3. Mount the propeller snug against the taper of the drive shaft without the key.
4. Mark the location of the propeller on the drive shaft using a felt tip pen.
5. Remove the propeller.
6. Seat the key in the drive shaft and remount the propeller. If the propeller does not reseat on the drive shaft in the same location, then the propeller is seated on the key and not the drive shaft. This can cause excessive vibration. Adjust the size, fit, and location of the key until the propeller seats in the proper location.
7. Install and tighten the prop nut to 25 foot pounds of torque.
8. Install the cotter pin.



## WARRANTY INFORMATION

Propellers purchased from A.R.E. MANUFACTURING, INC. are fully guaranteed against defects in material and workmanship for one year from the date of purchase.

Except as above stated, A.R.E. MANUFACTURING, INC. makes no other warranties of any kind, express or implied, and the extent of A.R.E. MANUFACTURING, INC.'s liability for any breach of warranty shall be limited to the replacement of the product.

A.R.E. MANUFACTURING, INC.'s warranty shall not apply to any other goods that have been repaired or altered by anyone other than A.R.E. MANUFACTURING, INC. The warranty shall not apply to any propeller subjected to misuse, common negligence, or accident.

**ELBERT'S**  
A DIVISION OF A.R.E. MANUFACTURING, INC.

### PROPELLER



Thank you for purchasing a propeller from Elbert's. This propeller has been manufactured to meet or exceed original equipment specifications to ensure high performance and reliability.

**ELBERT'S** 

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**WARNING:** Improper installation will damage the propeller, drive shaft, and/or the boat. Improper installation could void the warranty. Please read and follow the installation instructions carefully. The use of this product shall be at the sole risk and responsibility of the user with no liability of any nature whatsoever on the part of A.R.E. MANUFACTURING, INC.