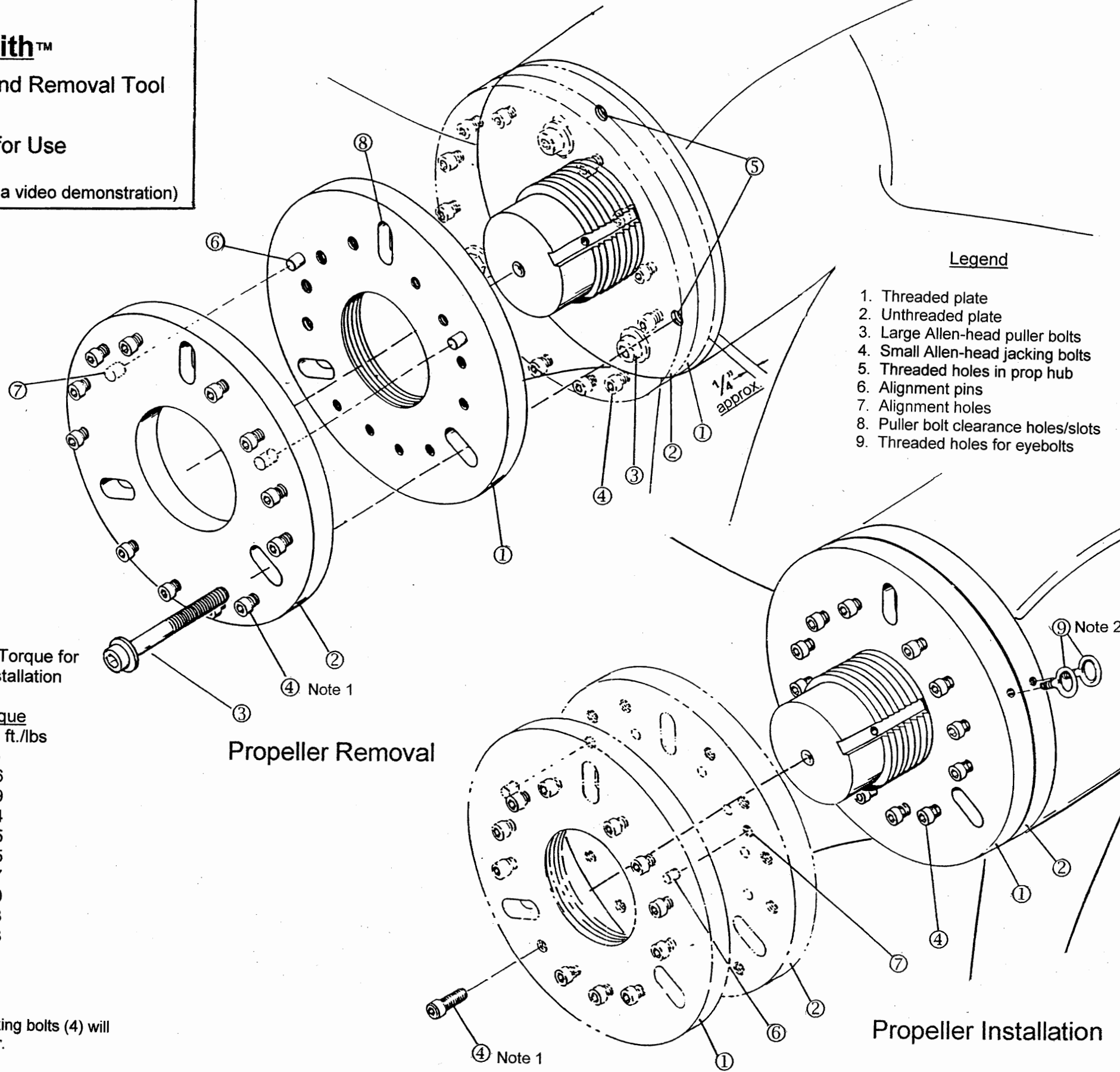


# PropSmith™

## Propeller Installation and Removal Tool

### Instructions for Use

(Go to [www.propsmith.com](http://www.propsmith.com) for a video demonstration)



#### Maximum Recommended Torque for Jacking Screws during Installation

Shaft dia.	Torque
1 3/4"	12 ft./lbs
2", 2 1/4"	15
2 1/2", 60mm	26
2 3/4", 70mm	29
3", 80mm	34
3 1/2"	45
4"	55
4 1/2"	57
5"	70
5 1/2"	103
6"	103

#### Notes

- Number of small Allen-head jacking bolts (4) will vary according to shaft diameter.
- Threaded holes (9) are for attachment of flotation device or retrieval lanyard for underwater removal or installation. (1/4" - 20 thread)

#### Installation of Propeller

- Slide propeller onto shaft taper. Insert, align, and seat key.
- Slide unthreaded plate (2) loosely onto shaft.
- Screw threaded plate (1) onto shaft, aligning both plates by engaging pins (6) in one plate with holes (7) in other. Screw pair up against hub.
- Thread small Allen-head jacking bolts (4) thru' aft side of threaded plate, into contact with other plate.
- Tighten jacking bolts evenly in alternating sequence in a criss-cross pattern) up to the maximum torque value, as stamped on face of plates and listed on this drawing.

**Excessive torque risks damage to the hub.**

- Remove both PropSmith plates. Install prop nut, jam nut and cotter pin.

#### Removal of Propeller

- Remove cotter pin, jam nut and prop nut.
- Fit the two plates together, by engaging the pins (6) in one plate with holes (7) in the other. Screw the pair onto the shaft, being sure the threaded plate goes on first. Leave a space of about 1/4" between plates and hub.

**This space is essential to removal.**

- Insert large Allen-head puller bolts (3) through clearance holes/slots (8) in plates and screw into holes (5) in prop hub. Tighten lightly; do not torque.
- Screw small Allen-head jacking bolts (4) into unthreaded plate (2), into contact with other plate. Tighten evenly in alternating sequence (criss-cross pattern) until propeller breaks free from taper.
- Remove the puller bolts and PropSmith plates. Slide prop off shaft.