



Manuals.plus /

› Sunluway /

› Sunluway 3855516 Duo/Twin Propeller Tool Kit Instruction Manual for Volvo Penta Duoprop Drives

Sunluway SL-3855516

Sunluway 3855516 Duo/Twin Propeller Tool Kit Instruction Manual

Model: SL-3855516

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of the Sunluway 3855516 Duo/Twin Propeller Tool Kit. This kit is specifically designed to facilitate the installation and removal of propellers on Volvo Penta Duoprop drives.

The kit includes two primary components: a wrench with slots (part number 3851615) for the inner propeller nut and a 30mm socket wrench for the rear propeller nut.

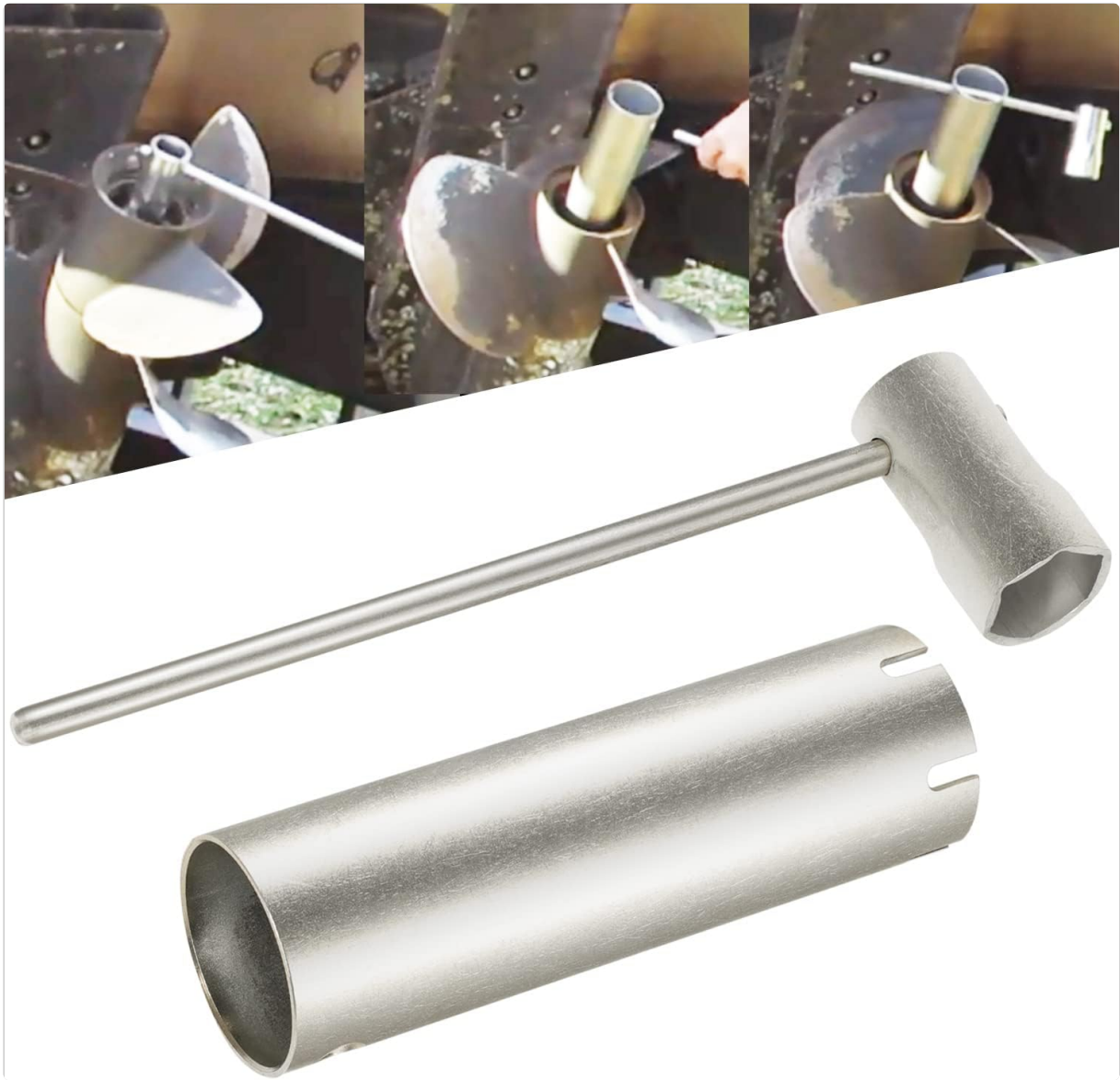


Image 1: Overview of the Sunluway 3855516 Duo/Twin Propeller Tool Kit, showing both the slotted wrench and the T-handle socket wrench.

2. APPLICATION AND COMPATIBILITY

The Sunluway 3855516 Propeller Tool Kit is compatible with Volvo Penta Duoprop drives and various propeller series. It is used for installing and removing propellers from the DPS and DPS-B drive systems.

Compatible Propeller Types:

- Type D Aluminum Duoprops for DPS, DPS-A with straight splines
- Type I Aluminum Duoprops for DPS, DPS-A with straight splines
- Type IH Aluminum Duoprops for DPS-B with helical/spiral splines
- Type FH Stainless Duoprops for DPS-B with helical/spiral splines
- Type F Stainless for DPS, DPS-A with straight splines
- DP-SM propellers

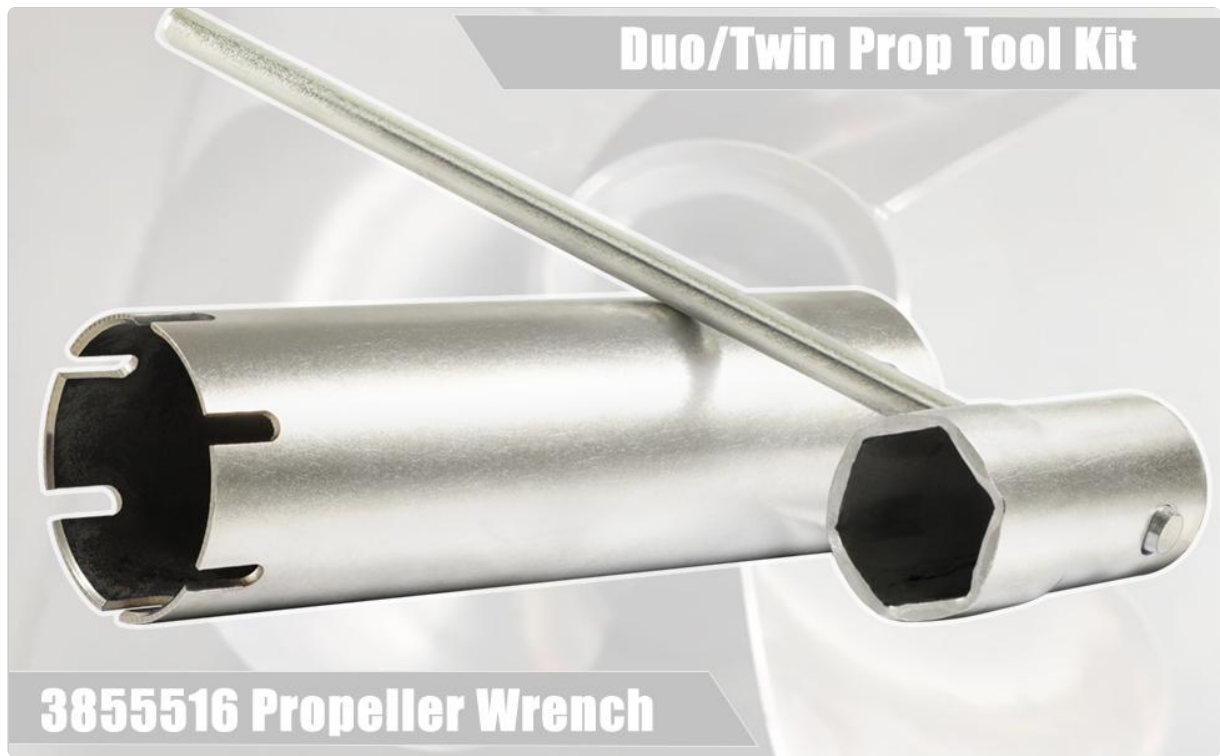


Image 2: Visual representation of the tool's application for various Volvo Penta DuoProp drives and propeller types.

3. OPERATING INSTRUCTIONS: PROPELLER REMOVAL AND INSTALLATION

This section outlines the steps for using the tool kit to remove and install Volvo Penta DuoProp propellers. Always ensure the engine is off and the boat is securely docked or trailered before beginning any work on the propeller.

3.1. Removing the Outer Propeller

1. Identify the rear propeller nut. This nut secures the outer propeller.
2. Take the 30mm socket wrench (T-handle tool) from the kit.
3. Place the 30mm socket wrench onto the rear propeller nut.
4. Turn the wrench counter-clockwise to loosen and remove the rear propeller nut.
5. Carefully slide the outer propeller off the shaft.



This wrench fits on the rear prop nut to take off the outer prop



Image 3: The T-handle wrench being used to loosen the rear propeller nut for outer propeller removal.

3.2. Removing the Inner Propeller

1. Locate the front propeller nut, which secures the inner propeller.
2. Take the slotted wrench (part number 3851615) from the kit.
3. Insert the slotted end of the wrench into the inner propeller, aligning the slots with the nut.
4. Turn the wrench counter-clockwise to loosen and remove the front propeller nut.
5. Carefully slide the inner propeller off the shaft.



This tool with slots goes into the inner prop and loosens the front prop nuts



Image 4: The slotted wrench inserted into the inner propeller to loosen the front propeller nut.

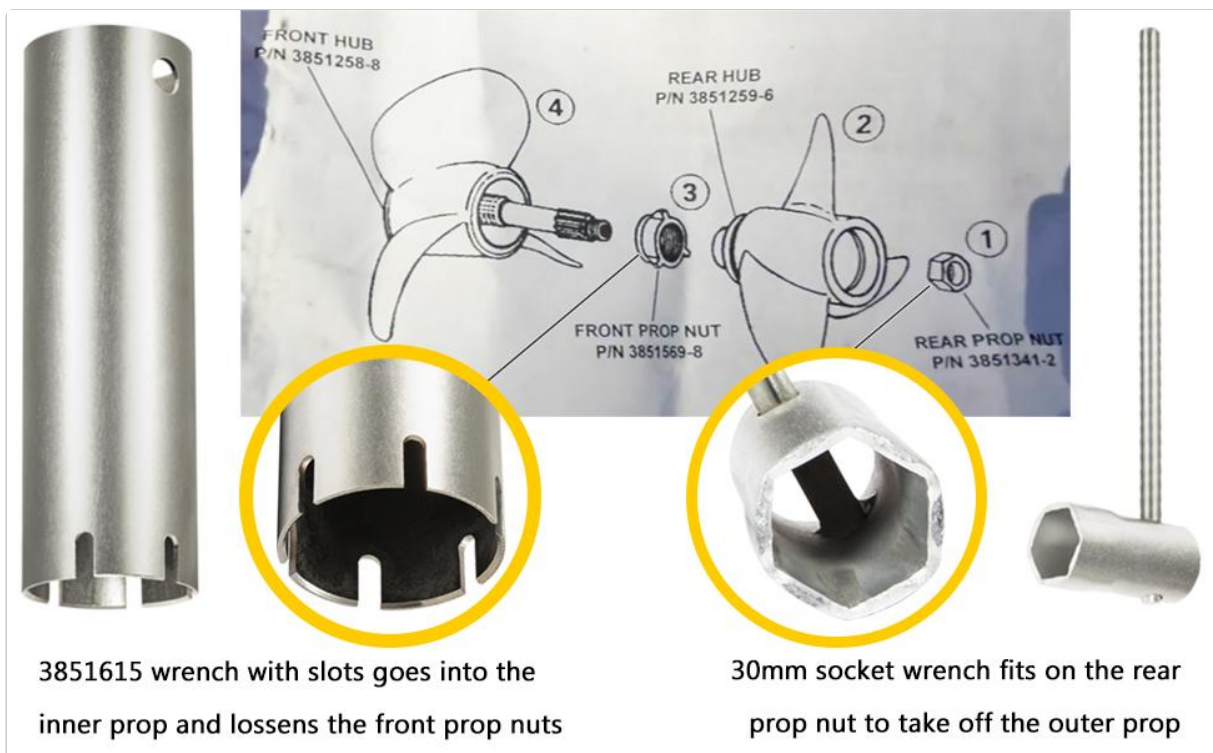


Image 5: A diagram illustrating the function of both the slotted wrench for the inner prop nut and the 30mm socket wrench for the rear prop nut.

3.3. Propeller Installation

To install the propellers, reverse the removal procedure. Ensure all components are clean and properly aligned before tightening. Refer to your Volvo Penta drive manual for specific torque specifications for the propeller nuts.

1. Slide the inner propeller onto the shaft.
2. Thread the front propeller nut onto the shaft and tighten it using the slotted wrench.
3. Slide the outer propeller onto the shaft.
4. Thread the rear propeller nut onto the shaft and tighten it using the 30mm socket wrench.
5. Ensure both nuts are securely tightened to the manufacturer's recommended torque.



Tool worked perfectly to remove both the rear blade standard nut and also this special deep socket special tool removes the inside blade ring nut with ease as well.

Image 6: Visual sequence demonstrating the use of the tools for both propeller removal and installation.

4. MAINTENANCE

The Sunluway 3855516 Propeller Tool Kit is constructed from high-strength steel with a zinc-plated finish for durability. To ensure its longevity and optimal performance:

- **Cleaning:** After each use, especially in saltwater environments, clean the tools with fresh water to remove salt, dirt, and debris.
- **Drying:** Thoroughly dry the tools to prevent corrosion.
- **Storage:** Store the tools in a dry place, away from moisture and corrosive chemicals.
- **Inspection:** Periodically inspect the tools for any signs of wear, damage, or corrosion. Replace if necessary.

5. TROUBLESHOOTING

While this tool kit is designed for effective propeller maintenance, some issues may arise:

- **Tight Nuts:** If propeller nuts are excessively tight or seized, apply a penetrating lubricant and allow it to work before attempting removal. Avoid applying excessive force that could damage the tool or propeller components.
- **Socket Fit:** Ensure the 30mm socket fits snugly onto the rear propeller nut. If the fit is too tight, verify the nut size and ensure no debris is obstructing the fit.
- **Tool Damage:** If the tool appears bent or damaged, discontinue use and replace it to prevent injury or further damage to your boat's components.

6. SPECIFICATIONS

Model Number	SL-3855516
Manufacturer Part Number	SL-3855516
Brand	Sunluway
Item Weight	2.07 pounds
Package Dimensions	11.42 x 3.27 x 2.56 inches
Material	High-strength steel, zinc-plated
Included Components	3851615 wrench (slotted), 30mm socket wrench (T-handle)

7. WARRANTY AND SUPPORT

The Sunluway 3855516 Duo/Twin Propeller Tool Kit comes with a **12-month warranty** from the date of purchase.

For any questions regarding the product, its operation, or warranty claims, please contact Sunluway customer support. Contact information can typically be found on the product packaging or the official Sunluway website.