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› Hobie MD-180 Mirage Drive Turbo V2 Fin Kit User Manual

## Hobie MD-180

# HOBIE MD-180 MIRAGE DRIVE TURBO V2 FIN KIT

Model: MD-180

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Hobie MD-180 Mirage Drive Turbo V2 Fin Kit. This kit is designed to upgrade your existing Mirage 180 pedal drive, enhancing its performance with V2 turbo fins and masts.

## SAFETY INFORMATION

- Always ensure all components are securely fastened before use.
- Regularly inspect fins and masts for any signs of wear or damage. Replace damaged parts immediately.
- Use appropriate tools for installation and maintenance to prevent injury or damage to the product.
- Keep small parts, such as Loctite packets, out of reach of children.

## KIT CONTENTS

The Hobie MD-180 Mirage Drive Turbo V2 Fin Kit includes the following components:

- Two (2) V2 Turbo Fins
- Two (2) Fin Masts
- One (1) Packet of Loctite



*Image: The Hobie MD-180 Mirage Drive Turbo V2 Fin Kit showing the two V2 turbo fins, two fin masts, and a packet of Loctite. These are the primary components for upgrading your Mirage Drive.*

## SETUP AND INSTALLATION

This kit is designed for all 180 NON-Kick Up Mirage Drives where the masts screw into the sprocket (post July 2008 models). Ensure your drive is compatible before proceeding.

1. **Remove Existing Fins:** Carefully unscrew and remove the old fins and masts from your Mirage Drive. Note the orientation for reassembly.
2. **Prepare New Masts:** Apply a small amount of the provided Loctite to the threaded end of each new fin mast. This helps secure the mast within the drive sprocket and prevents loosening during use.
3. **Install New Masts:** Screw the new fin masts into the designated holes on your Mirage Drive sprocket. Ensure they are tightened securely but do not overtighten.
4. **Attach Turbo Fins:** Slide the V2 Turbo Fins onto the installed masts. Ensure the fins are oriented correctly, with the Hobie logo facing outwards and the measurement markings visible.
5. **Secure Fins:** Tighten any fin tension screws if present on your drive to secure the fins firmly to the masts.
6. **Final Check:** Before deploying, visually inspect all connections to ensure the fins and masts are properly seated and secure.



*Image: A Hobie Mirage Drive unit with the new MD180 ST Turbo fins properly installed. The fins are securely attached to the drive's masts, ready for operation.*

## OPERATING INSTRUCTIONS

The V2 Turbo Fins are designed to optimize your Mirage Drive's performance. You can adjust the fin tension to suit your paddling style and desired performance.

- **Fin Tension Adjustment:** If your Mirage Drive features a fin tension screw, you can adjust it to achieve either lower-end torque for powerful acceleration or top-end speed for efficient cruising. Experiment with different settings to find your preferred balance.

- **Pedaling Technique:** Maintain a smooth and consistent pedaling motion for optimal propulsion. The turbo fins are designed to provide increased thrust with each stroke.

## MAINTENANCE

Proper maintenance will extend the life and performance of your Hobie Mirage Drive Turbo V2 Fin Kit.

- **Rinse After Use:** After each use, especially in saltwater, thoroughly rinse the fins and masts with fresh water to remove salt, sand, and debris.
- **Inspect for Damage:** Regularly check the fins for cracks, bends, or excessive wear. Inspect the masts for straightness and secure attachment.
- **Lubrication:** Refer to your main Mirage Drive manual for recommended lubrication points and schedules.
- **Storage:** Store the Mirage Drive with fins attached in a clean, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

| Problem                          | Possible Cause                                                                                   | Solution                                                                                                                                                                                   |
|----------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fins feel loose or wobbly.       | Fin tension screw not tight enough; mast not fully seated; Loctite not applied or cured.         | Tighten fin tension screw. Re-seat mast and reapply Loctite if necessary, allowing proper cure time.                                                                                       |
| Reduced propulsion.              | Damaged or bent fin; debris caught in drive; incorrect fin tension.                              | Inspect fins for damage and replace if necessary. Clear any debris from the drive. Adjust fin tension.                                                                                     |
| New masts do not fit into drive. | Incompatible Mirage Drive model (e.g., Kick-Up drive or pre-2008 model); manufacturing variance. | Verify your Mirage Drive is a NON-Kick Up 180 model where masts screw into the sprocket (post July 2008). Contact Hobie customer support if compatibility is confirmed and issue persists. |

## SPECIFICATIONS

- **Product Name:** Hobie MD-180 Mirage Drive Turbo V2 Fin Kit
- **Model Number:** MD-180
- **Brand:** Hobie
- **Compatibility:** Hobie Mirage Drive 180 (NON-Kick Up models, where masts screw into sprocket, post July 2008)
- **Kit Includes:** 2 V2 Turbo Fins, 2 Fin Masts, Loctite
- **Dimensions (Shipping):** Approximately 30.48 x 10.16 x 2.54 cm (12 x 4 x 1 inches)
- **Manufacturer Reference:** 72067002

## WARRANTY INFORMATION

Hobie products are manufactured to high standards. For specific warranty details regarding your Hobie MD-180 Mirage Drive Turbo V2 Fin Kit, please refer to the warranty documentation included with your original Mirage Drive purchase or visit the official Hobie website. Warranty terms typically cover manufacturing defects under normal use.

## SUPPORT

For further assistance, technical support, or to purchase replacement parts, please contact Hobie customer service or visit their official website:

**Website:** [www.hobie.com](http://www.hobie.com) (Please check for regional websites)

**Customer Service:** Refer to the contact information available on the official Hobie website for your region.

**ASK A QUESTION ABOUT THIS MANUAL**

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question