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› Seagull Yak 54 (90) Wing Set Complete (for SEA-53B) Instruction Manual

Seagull YK105

Seagull Yak 54 (90) Wing Set Complete (for SEA-53B) Instruction Manual

Model: YK105

1. INTRODUCTION

This instruction manual provides essential information for the proper assembly, installation, and maintenance of your Seagull Yak 54 (90) Wing Set. Please read this manual thoroughly before proceeding with any steps to ensure safe operation and optimal performance of your model aircraft. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Seagull Yak 54 (90) Wing Set (Model YK105) is a replacement or upgrade component designed for the Seagull Yak 54 (90) model aircraft (SEA-53B). This set includes the complete wing structure necessary for flight.



Image of the Seagull Yak 54 (90) Wing Set, showing the complete wing structure with its distinctive markings and aerodynamic profile.

3. PACKAGE CONTENTS

Upon opening the package, carefully inspect all components. The wing set typically includes the main wing panels, and may include associated hardware for attachment. If any parts are missing or damaged, contact your retailer immediately. Refer to your specific product packaging for a detailed list of included items.

4. SETUP AND ASSEMBLY

1. **Preparation:** Ensure your Seagull Yak 54 (90) fuselage (SEA-53B) is clean and free of debris where the wings attach. Gather all necessary tools, which may include screwdrivers, wrenches, and adhesives as specified by the main aircraft manual.
2. **Wing Attachment:** Carefully align the wing panels with the wing saddle on the fuselage. Ensure that the wing tubes (if applicable) slide smoothly into their respective receivers. Do not force the wings into place.
3. **Securing the Wings:** Use the provided bolts or retention mechanisms to securely fasten the wings to the fuselage. Tighten all fasteners firmly but avoid over-tightening, which could damage the structure. Verify that the wings are seated flush against the fuselage and show no signs of wobble.

4. **Control Surface Linkage:** Connect the aileron pushrods to the control horns on the wing's ailerons and to the servos in the fuselage. Ensure smooth, unrestricted movement of the ailerons throughout their full range. Adjust linkages as necessary to achieve neutral trim.
5. **Electrical Connections:** Connect any necessary servo leads from the wings to the receiver in the fuselage. Ensure correct polarity and secure connections to prevent disconnections during flight.

5. OPERATING CONSIDERATIONS

1. **Center of Gravity (CG):** After installing the wing set, it is crucial to re-check the aircraft's Center of Gravity (CG). Refer to your main Seagull Yak 54 (90) aircraft manual for the recommended CG range. Adjust battery placement or add ballast as needed to achieve the correct balance.
2. **Control Throws:** Verify that all control surfaces (ailerons) move in the correct direction and have the recommended amount of travel. Adjust your radio transmitter settings if necessary.
3. **Pre-Flight Inspection:** Before each flight, perform a thorough pre-flight inspection. Check all wing attachment points for security, ensure control linkages are free and secure, and confirm all electrical connections are firm.

6. MAINTENANCE

1. **Cleaning:** After each use, clean the wing surfaces with a soft, damp cloth to remove dirt, oil, and debris. Avoid using harsh chemicals that could damage the finish or materials.
2. **Inspection:** Regularly inspect the wing panels for any signs of damage, such as cracks, dents, or loose covering. Pay close attention to stress points around attachment areas and control horns. Address any damage promptly to maintain flight safety.
3. **Storage:** Store the wing set in a cool, dry place, away from direct sunlight and extreme temperatures. If storing separately from the fuselage, ensure the wings are supported to prevent warping or damage.

7. TROUBLESHOOTING

- **Issue:** Wing appears loose after assembly.
Solution: Re-check all wing attachment bolts. Ensure they are tightened securely. Inspect for any obstructions preventing the wing from seating properly.
- **Issue:** Ailerons do not move correctly or are stiff.
Solution: Verify control linkages are properly connected and not binding. Check servo operation. Ensure no debris is obstructing aileron movement.
- **Issue:** Aircraft balance feels off after wing replacement.
Solution: Re-perform the Center of Gravity (CG) check as described in the 'Operating Considerations' section. Adjust battery position or add ballast as required.

8. SPECIFICATIONS

Model Number	YK105
Product Weight	2.1 Kilograms
Recommended Age	14 years and up
Batteries Required	No

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your original Seagull Yak 54 (90) aircraft or contact your authorized Seagull retailer. Keep your proof of purchase for warranty claims.