

KITQLPG XWJ-D11-13 (compatible with SG700, SG700S, SG700D)

KITQLPG Propeller and Spare Parts Kit Instruction Manual

For SG700, SG700S, and SG700D WiFi FPV RC Quadcopters

1. INTRODUCTION

This manual provides comprehensive instructions for the proper installation, use, and maintenance of the KITQLPG Propeller and Spare Parts Kit. This kit is specifically designed to be compatible with SG700, SG700S, and SG700D series WiFi FPV RC quadcopters. Adhering to these instructions will ensure optimal performance and longevity of your drone components.

2. PACKAGE CONTENTS

Please verify that all items listed below are present in your package. If any components are missing or damaged, please contact your retailer.

- 2A Fold Wing Arm (with Gears and LED Axis assembly)
- 2B Fold Wing Arm (with Gears and LED Axis assembly)
- 4 x Propellers (Blades)
- 4 x Blade Covers
- 4 x Protection Rings
- 8 x Upgrade Bearings



Image 1: Overview of the KITQLPG Propeller and Spare Parts Kit components. This image displays four fold wing arms with integrated motors and wiring, four black propellers with yellow stripes, four black propeller protection rings, four small silver ball bearings, and four small silver washers.

3. SETUP AND INSTALLATION

Follow these steps carefully for proper installation of the spare parts. Ensure the drone is powered off and the battery is disconnected before beginning any installation.

- 1. Removing Old Components:** Carefully remove any damaged or worn-out propellers, blade covers, protection rings, or fold wing arms from your drone. Refer to your drone's original manual for specific disassembly instructions if needed.
- 2. Installing Fold Wing Arms:**
 - Identify the correct position for the 2A and 2B fold wing arms. These are typically marked on the drone's frame or the arms themselves.
 - Connect the wiring from the new fold wing arm to the corresponding ports on the drone's main board. Ensure correct polarity (red to red, black to black, etc.).
 - Secure the fold wing arm to the drone's frame using the original screws or appropriate fasteners. Do not overtighten.

3. **Installing Bearings:** If replacing bearings, carefully insert the new upgrade bearings into the motor housing or propeller shaft assembly as required.

4. **Attaching Propellers:**

- Each propeller has a specific rotation direction (clockwise or counter-clockwise) and must be matched to the correct motor. Refer to your drone's manual for propeller orientation.
- Align the propeller with the motor shaft and press down firmly until it clicks into place or secure it with the provided screws, depending on your drone's design. Ensure it is seated securely and can rotate freely without wobble.

5. **Installing Blade Covers and Protection Rings:**

- Slide the blade covers over the propellers, ensuring they fit snugly.
- Attach the protection rings to the drone's arms or frame, encircling the propellers. These are designed to protect the propellers from impacts. Ensure they are securely fastened and do not interfere with propeller rotation.

4. OPERATING CONSIDERATIONS

After installing new components, perform the following checks before flight:

- **Visual Inspection:** Confirm all propellers, arms, and protection rings are securely attached and free from any obstructions.
- **Propeller Rotation:** Gently spin each propeller by hand to ensure it rotates smoothly and without resistance.
- **Pre-Flight Check:** Conduct a standard pre-flight check as recommended by your drone's manufacturer. This includes checking motor function, control response, and battery levels.
- **Test Flight:** Perform a short, low-altitude test flight in a safe, open area to confirm stability and proper function of the new components.

5. MAINTENANCE

Regular maintenance helps extend the lifespan of your drone's components.

- **Cleaning:** Periodically clean propellers, blade covers, and arms to remove dust, dirt, or debris that can affect performance. Use a soft, dry cloth.
- **Inspection:** Before each flight, inspect propellers for cracks, bends, or nicks. Check fold wing arms for any signs of stress or damage. Replace any damaged parts immediately.
- **Bearing Check:** Listen for unusual noises from the motors, which could indicate worn bearings. Replace bearings if they show signs of wear or excessive play.
- **Storage:** Store spare parts in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues after installing the spare parts, consider the following:

- **Drone Unstable/Vibrating:**
 - Ensure all propellers are correctly installed and balanced.
 - Verify that the correct propeller type (A or B) is on the correct motor.

- Check for any foreign objects caught in the propellers or motors.
- **Motor Not Spinning:**
 - Check the wiring connections for the fold wing arm.
 - Ensure the motor shaft is not obstructed.
 - If the motor is part of the fold wing arm assembly, the entire arm may need replacement if the motor is faulty.
- **Reduced Flight Time/Performance:**
 - Ensure propellers are free from damage and correctly oriented.
 - Verify that the protection rings are not causing excessive drag or friction.

7. SPECIFICATIONS

- **Product Model Number:** XWJ-D11-13
- **Compatibility:** SG700, SG700S, SG700D WiFi FPV RC Quadcopters
- **Material:** Plastic
- **Item Weight:** Approximately 1.76 ounces (50 grams) for the kit
- **Package Dimensions:** 1.18 x 0.79 x 0.39 inches (3 x 2 x 1 cm)
- **Assembly Required:** No (for individual components, but installation onto drone is required)
- **Number of Pieces:** 1 (referring to the kit as a single item)

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the documentation provided with your original drone purchase or contact the manufacturer, KITQLPG, directly through their official support channels. Keep your purchase receipt as proof of purchase.