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› [VERBANA Replacement Kit for VISUO XS818 RC Drone: Propellers, Motors, Gears, and Bearings User Manual](#)

VERBANA XS818

VERBANA Replacement Kit for VISUO XS818 RC Drone: Propellers, Motors, Gears, and Bearings User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, maintenance, and troubleshooting of the VERBANA replacement kit for the VISUO XS818 RC Drone. This kit includes essential components such as CW (Clockwise) and CCW (Counter-Clockwise) propellers, motors, gears, and iron shaft bearings, designed to restore or enhance the performance of your VISUO XS818 quadcopter.

2. PACKAGE CONTENTS

Upon opening your VERBANA replacement kit, please verify that all the following components are present and undamaged:

- 8 x Drone Propellers (4 CW, 4 CCW)
- 4 x Drone Motors (with pre-attached wires)
- 4 x Drive Gears
- 4 x Iron Shafts
- 4 x Bearings



This image displays all components included in the VERBANA replacement kit. It features eight black propellers (four CW and four CCW), four small black gears, four silver iron shafts, four small silver bearings, and four small silver motors with red, blue, black, and white wires.

3. SETUP AND INSTALLATION

Before beginning any installation, ensure the drone's battery is disconnected to prevent accidental activation or damage.

3.1 Propeller Replacement

1. Identify the damaged propeller.
2. Carefully remove the screw securing the old propeller to the motor shaft.
3. Gently pull the old propeller off the shaft.
4. Select the correct replacement propeller (CW or CCW) matching the one removed. Propellers are typically marked or can be identified by their blade angle. Ensure the correct rotation direction for each motor arm.
5. Align the new propeller with the motor shaft and push it down firmly but gently.
6. Secure the new propeller with a screw. Do not overtighten.

3.2 Motor Replacement

1. Access the drone's internal wiring by carefully opening the drone casing, if necessary.
2. Locate the motor to be replaced and carefully desolder or disconnect its wires from the drone's circuit board. Note the color coding and connection points.
3. Remove the old motor from its housing.
4. Insert the new motor into the housing.
5. Solder or connect the new motor's wires to the circuit board, ensuring correct polarity and matching the original connections. Incorrect wiring can cause motor malfunction or damage.
6. Reassemble the drone casing.

3.3 Gear, Shaft, and Bearing Replacement

1. Carefully remove the propeller and any retaining clips or screws to access the gear and shaft assembly.
2. Remove the old gear, shaft, and bearings. Note their orientation and placement.
3. Install the new bearings into their designated slots.
4. Insert the new iron shaft through the bearings and gear, ensuring smooth rotation.
5. Reattach any retaining clips or screws and then the propeller.

4. OPERATING CONSIDERATIONS AFTER INSTALLATION

After replacing any components, perform a thorough check before flight:

- **Propeller Check:** Ensure all propellers are securely attached and rotate freely without obstruction. Verify that CW and CCW propellers are on the correct motor arms.
- **Motor Check:** Listen for any unusual noises during initial power-up. All motors should spin smoothly and quietly.
- **Pre-Flight Test:** Conduct a low-altitude hover test in a safe, open area to confirm stability and responsiveness before full flight.

5. MAINTENANCE

Regular maintenance of your drone's components can extend its lifespan and ensure optimal performance:

- **Propellers:** Inspect propellers for cracks, bends, or chips before each flight. Replace any damaged propellers immediately.
- **Motors:** Keep motors free from dust, dirt, and debris. Avoid operating in sandy or dusty environments.
- **Gears and Bearings:** Periodically check gears for wear and tear. Ensure bearings are clean and allow for smooth rotation of the shafts. Lubricate bearings with a small amount of appropriate lubricant if necessary, avoiding excess.
- **Storage:** Store replacement parts in a clean, dry environment away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues after replacing components, consider the following:

- **Drone Unstable/Drifting:** Double-check that all propellers are correctly installed (CW/CCW) on their respective motor arms. Ensure propellers are not bent or damaged.
- **Motor Not Spinning:** Verify motor wiring connections are secure and correctly polarized. Check for any

obstructions preventing the motor from spinning.

- **Unusual Noise:** Inspect gears for proper mesh and ensure no foreign objects are lodged in the motor or gear assembly. Check bearings for smooth operation.
- **Reduced Flight Time/Power:** While not directly related to these parts, ensure the drone's battery is fully charged and in good condition.

7. SPECIFICATIONS

Feature	Detail
Compatibility	VISUO XS818 RC Quadcopter
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.76 ounces
Manufacturer	VERBANA
Recommended Age	36 months - 18 years

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your VERBANA replacement kit, please refer to the documentation provided with your original purchase or contact the VERBANA customer service directly through their official channels. Keep your purchase receipt as proof of purchase.