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DJI CP.PT.S00073

DJI Phantom 4 Pro Quick Release Propeller Mounting Plates User Manual

Model: CP.PT.S00073 | Brand: DJI

Introduction

This manual provides essential information for the installation, operation, and maintenance of your DJI Phantom 4 Pro Quick Release Propeller Mounting Plates. These genuine OEM parts are designed to ensure optimal performance and secure propeller attachment for your Phantom 4 Pro drone.

Safety Information

- Always ensure the drone is powered off and the battery is disconnected before performing any installation or maintenance.
- Handle small components with care to avoid loss or damage.
- Use appropriate tools for installation to prevent stripping screws or damaging parts.
- Verify that all components are securely fastened before operating the drone.
- Keep parts away from small children due to choking hazards.

Package Contents

The DJI Phantom 4 Pro Quick Release Propeller Mounting Plates package includes the following components:

- 4 x Propeller Mounting Plates (2 CW + 2 CCW)
- 4 x Springs
- 12 x Screws



Image: Overview of the included components: four propeller mounting plates, four springs, and twelve screws.



Image: Detailed view of the components, indicating quantities for each part.

Setup and Installation

Replacing the quick-release propeller mounting plates requires careful attention to detail. Follow these steps for proper installation:

1. **Preparation:** Ensure your DJI Phantom 4 Pro drone is powered off and the battery is removed. Place the drone on a clean, stable surface.
2. **Identify Damaged Plate:** Locate the propeller mounting plate that needs replacement. Each motor has one mounting plate.
3. **Remove Old Plate:** Using a small Phillips head screwdriver (or appropriate tool for the existing screws), carefully unscrew the 3 screws securing the old mounting plate to the motor. Keep these screws if they are in good condition, otherwise use the new ones provided.
4. **Remove Spring:** After removing the screws, gently lift the old mounting plate. The spring underneath may come out with it or remain on the motor shaft. Remove the old spring.
5. **Install New Spring:** Place a new spring onto the motor shaft. Ensure it sits correctly around the central post.
6. **Position New Plate:** Select the correct new mounting plate (CW or CCW) for the motor. Align the plate with the screw holes and the central shaft. The plates are designed to fit only one way.
7. **Secure New Plate:** Insert the three new screws (or existing good screws) into the plate and motor.**Carefully tighten** each screw. Do not overtighten, as this can strip the plastic or the screw heads. Ensure the plate is firmly secured but can still rotate slightly for the quick-release mechanism.
8. **Test Mechanism:** Once installed, gently press down and rotate the plate to ensure the quick-release mechanism

functions smoothly. It should click into place when locked and release when twisted.

9. **Repeat for Other Plates:** Repeat the process for any other mounting plates that require replacement.



Image: Example of clockwise (left) and counter-clockwise (right) mounting plates.

Operating Instructions

These quick-release mounting plates facilitate the rapid attachment and detachment of propellers on your DJI Phantom 4 Pro. To attach a propeller, align the propeller's base with the mounting plate, push down, and twist in the direction indicated on the propeller (lock direction) until it clicks securely into place. To remove, push down and twist in the opposite direction (unlock direction).
Always ensure propellers are correctly and securely attached before flight. Improperly secured propellers can lead to loss of control or damage to the drone.

Maintenance

Regular maintenance of your propeller mounting plates will extend their lifespan and ensure safe operation:

- **Cleaning:** Periodically inspect the plates for dirt, dust, or debris. Clean with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Inspection:** Before each flight, visually inspect the mounting plates for any signs of wear, cracks, or damage. Check that the quick-release mechanism operates smoothly and securely.
- **Screw Tightness:** Occasionally check the tightness of the three screws securing the plate to the motor. Retighten if necessary, but avoid overtightening.
- **Spring Condition:** Ensure the springs provide adequate tension for the quick-release mechanism. If a spring appears weak or damaged, replace the entire mounting plate assembly.

Troubleshooting

If you encounter issues with your propeller mounting plates, consider the following:

- **Propellers Not Securing Properly:**
  - Ensure the mounting plate screws are sufficiently tightened. If they are too loose, the propeller may not lock.
  - Check for any debris or obstructions in the quick-release mechanism or on the propeller's base.
  - Verify you are using the correct type of propeller (CW/CCW) for the corresponding motor and mounting plate.
  - Inspect the propeller itself for damage or wear that might prevent proper locking.
- **Difficulty Attaching/Detaching Propellers:**
  - Ensure you are applying sufficient downward pressure while twisting to engage/disengage the mechanism.
  - Check for any foreign objects or excessive friction. A small amount of silicone lubricant (non-oil based) can sometimes help, but consult DJI's official guidelines first.
  - If the plate feels excessively stiff, it might be overtightened. Loosen the screws slightly, then re-tighten

carefully.

- **Unusual Vibrations During Flight:**
  - Immediately land the drone.
  - Check all propeller mounting plates for secure attachment and any visible damage.
  - Inspect propellers for damage or imbalance.

If issues persist, contact DJI customer support or a certified service center.

Specifications

Brand	DJI
Model Name	Phantom 4 Pro
Manufacturer Part Number	CP.PT.S00073
UPC	190021289154
Included Components	4 Mounting Plates, 4 Springs, 12 Screws
Material	Plastic
Item Weight	0.81 ounces
Product Dimensions	1 x 1 x 1 inches

Warranty and Support

As an OEM DJI service part, these propeller mounting plates are covered by DJI's standard warranty policy for replacement parts. For detailed warranty information, technical support, or service inquiries, please visit the official DJI support website or contact their customer service directly.
Official DJI Support: www.dji.com/support

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