

REVISION	CHANGE	APPROVED	DATE
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Airmaster

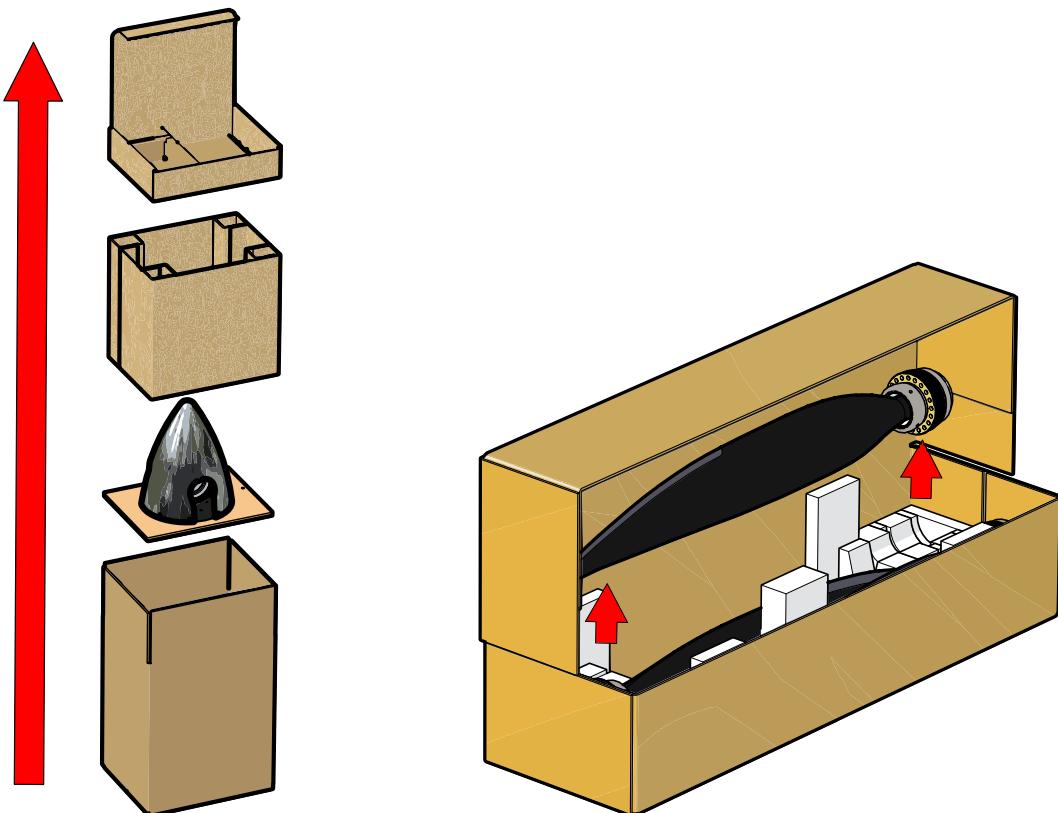
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ASI-3-1-1

RECEIVING & UNPACKING PROPELLER SYSTEM

PROCEDURE



SUBJECT:

Preparing for Installation

ASSEMBLY NO:

AK-xxx

APPLICABILITY:

All propeller models

1. TOPIC

1.1 Introduction

Welcome to your new Airmaster propeller system.

This document covers the procedure for unpacking the propeller shipment and performing the recommended checks upon receipt.

The shipment consists of two packages:

- Square Box (shorter) - Contains the propeller hub, spinner, mount kit, sliring, tool kit, control system assemblies and all propeller documentation.
- Rectangular Box - contains the propeller blade assemblies.

① Note *Two blade boxes may be supplied if the propeller incorporates more than three blades.*

Inspect all packages carefully upon receipt, ensuring that the anti-tamper 'Airmaster' security tape sealing each package is intact. If any signs of damage, impact, or tampering are suspected, photograph the affected areas immediately and report the issue promptly to Airmaster.

The original packaging containers and materials are specifically designed to protect the Airmaster propeller system. It is recommended that all original packaging be retained and reused for future shipping or storage needs.

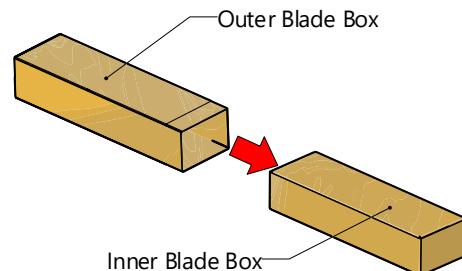
2. PROCEDURE

2.1 Unpack Blade Box

PROCEDURE

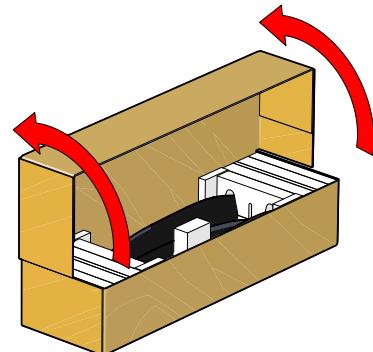
Step 1 Remove Inner Blade Box

- Open one end of outer blade box.
- Slide out inner blade box.



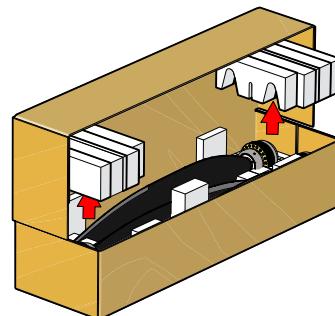
Step 2 Open Inner Blade Box

- Lay inner blade box upright.
- Open box by lifting the tabs at each end.



Step 3 Remove Top Foam Inserts

- Withdraw top foam inserts from each end of the box.

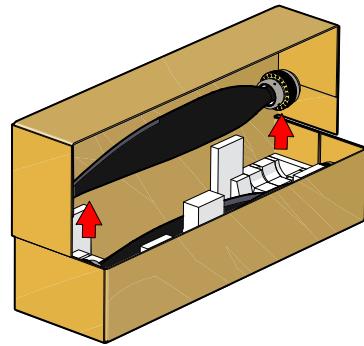


Step 4 Remove Blades

- Carefully remove blades by supporting the base and tip of the blade with both hands.
- Inspect blades and their mounted retention assemblies for signs of damage or defect.

Note

To avoid grease contamination, maintain coverage of the blade retention assemblies until ready for installation.



Caution

To prevent risk of damage, store blades in their original packaging until they are ready for installation. Plastic blades sleeves (or similar) may be used to offer further protection.

2.2 Unpack Hub Box

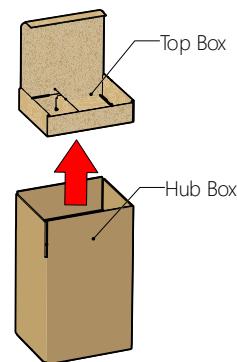
PROCEDURE

Step 1 Remove Top Box

- Open hub box
- Remove top box.

Note

The top box contains the propeller's mount kit, slipring, control system and tool kit assemblies, as well as all propeller documentation.



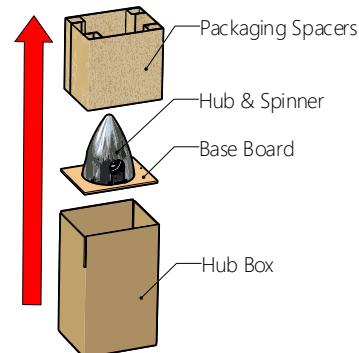
Step 2 Remove Propeller Hub

- Withdraw packaging spacers.
- Remove hub by carefully lifting it from beneath the ports through the spinner cutouts.

Note

The spinner and plywood base board are attached to the hub.

Caution *Avoid lifting from beneath backplate.*

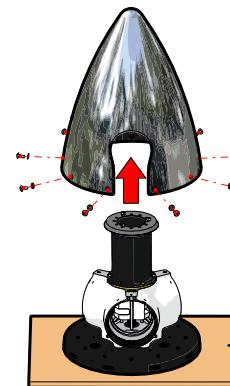


Step 3 Remove Spinner Cone

- Use a PH2 screwdriver to remove truss-head screws retaining spinner cone to backplate.
- Set aside spinner cone and fasteners.

Caution

Polished spinner cones are easily marked. A soft cloth or gloves are recommended when handling spinner cones with this type of finish.

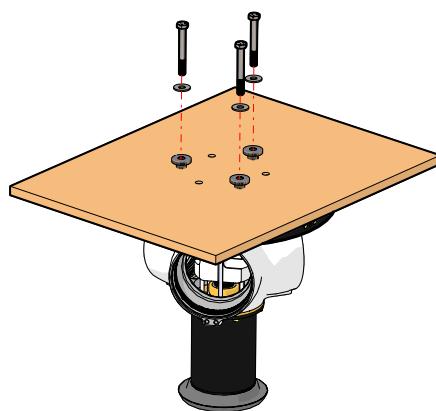


Step 4 Remove Hub from Base Board

- Use a 1/2-inch spanner (size requirements may vary) to remove the (3) sets of bolts, washers, and stand-off spacers securing the propeller hub to the plywood base board.

Note

The (3) sets of bolts, washers and spacers retaining the hub to the baseboard are for shipping and storage purposes only. These items must not be used in any form for propeller assembly, installation, or operation. After removal, store these items inside packaging for future shipping or storage needs.



Step 5 Inspect Components

- Lay out all propeller components and inspect for signs of damage or defect.

⚠ Caution

Always rest the propeller hub on a soft, clean surface to prevent damage to the spinner backplate and slipring assembly (if fitted).

ⓘ Note

To avoid grease contamination, maintain coverage of hub ports until ready for installation.

2.3 Review Propeller Documentation

The propeller documentation (AD-UNIVERSAL) includes the following documents:

- Airmaster Propeller Logbook.
- Airmaster Assembly Drawings Booklet.
- Airmaster Operator's Manual.

Review the propeller logbook as follows:

STEP	CHECK	<input checked="" type="checkbox"/>
1.	Read 'Instructions for Use' and 'Key Point Summary of Operator's Manual' on pages 1 - 2.	<input type="checkbox"/>
2.	Check propeller serial number recorded in 'Leading Particulars' matches the serial number stamped on the side of the hub (opposite port 1).	<input type="checkbox"/>
3.	Check blade serial numbers recorded in 'Leading Particulars' match the serial numbers scribed on the base of each blade (side of cam-plate).	<input type="checkbox"/>
4.	Check controller serial number recorded in 'Leading Particulars (Controller)' matches the serial number labelled at the rear of the controller.	<input type="checkbox"/>
5.	Examine technical specifications recorded in 'Leading Particulars' sections and verify that the propeller characteristics meet the desired specification and application.	<input type="checkbox"/>

Review the assembly drawings booklet as follows:

STEP	CHECK	<input checked="" type="checkbox"/>
1.	Check all received parts against the corresponding assembly drawings and bills of material provided in the booklet.	<input type="checkbox"/>
2.	Refer to 'AC200/AC300 Firmware & Parameters Sheet' located at the back of the booklet and confirm the specified engine type is correct.	<input type="checkbox"/>

CONTACT AIRMMASTER IF ANY DAMAGE TO PARTS OR PACKAGING IS SUSPECTED, OR DOCUMENTATION APPEARS INCORRECT.