

# SERVICE BULLETIN

## AP-SB17

Date of Issue:	May 2016
Applicability:	Propeller Models: ALL APxxx, models with Globe PC Motor. Serial Numbers: Up to 1125
Compliance:	Initial: At Owners Discretion Subsequent: Upgrading AC200 Controller Firmware.

### SUBJECT: UPGRADE OF MAXON PITCH CHANGE MOTOR

#### Introduction

As we are always looking forward towards improving the quality and service of our product, we have now introduced a new pitch change Motor which has increased rate of change of pitch, extended life and new magnetic fail safe system, which helps to hold the propeller in a fixed pitch in case of any electrical failure.

- Reasons For Upgrading:**
- If increased rate of pitch change is needed.
  - In case of motor failure.



**Maxon PC Motor**



**Globe PC Motor**

## Compliance

- a. Replace the old Globe Motor with the new Maxon Motor; for installation procedure please refer Supplementary Instruction -0001 revision 2.
- b. Upgrade the AC200 Controller firmware & Load the appropriate Controller parameters for the engine/pitch configuration; please refer Supplementary Instruction -0005 revision 1.
- c. Check/Change AC200 Controller Parameters values such as RPM values for the pre-set positions, engine gear ratio, NCV etc. please refer Supplementary Instruction -0006 revision 1.

Note: Supplementary Instructions can be found on the manufacturer website under Support. <http://www.airmasterpropellers.com/support>  
Or it can be obtained directly from the Manufacturer by contacting the support team.

## Subsequent Actions

- a. Complete the Data-Sheet attached to this Service bulletin and return it to the Manufacturer to be updated on to the propeller database.



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## DATA SHEET

<b>Propeller Serial #</b>		<b>Total Flight Hours:</b>	
<b>Model No:</b>	<b>AP-</b>	<b>Year of Manufacturing:</b>	

### PC Motor Upgrade

Pitch Control Configuration	Feather/Reverse		
Direction of Rotation	Clockwise/Anti-Clockwise		
PC Motor Type	Std / Fast (H)		
PC Motor Number	Globe:	Maxon:	

### AC200 Controller Upgrade

AC200 Controller Serial Number			
Software Revision Number	Existing:	Upgraded to:	
Hardware Build State	Existing:	Upgraded to:	
Controller Parameter Setup Engine type			

### Customer Information

Name:			
Address:			
	State:	Country:	Postal Code:
Contact:			

### Installed by

Name/  
Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_