

1. SCOPE

1.1 Purpose.- The purpose of this specification is to provide instructions for the preservation and packaging of aircraft propellers.

1.2 Application.- The procedures contained herein are applicable to all government furnished propellers.

1.3 Compliance.- The compliance with this specification is mandatory on all government furnished propellers in the possession of Beech Aircraft Corporation and the department having physical custody will be responsible for compliance.

1.4 List of Pages and Revisions.- This specification consists of the pages listed below. An asterisk (*) denotes the pages revised by the current revision.

<u>Page</u>	<u>Date</u>	<u>Description of Revision</u>	<u>Serial Effectivity</u>
1	5-7-53		
2	5-7-53		
3	5-7-53		
4	5-7-53		

APPROVED:

Kenneth O. Case
USAF Quality Control

WRITTEN BY <i>Des B. Holmes</i>	DATE ISSUED 5-7-53	OVERHAUL SPECIFICATION PRESERVATION AND SHIPPING OF PROPELLERS		
PROJECT ENGINEER <i>E. J. Rice</i>				
APPROVAL <i>W. K. Fossitt</i>	DATE REVISED	Beech Aircraft CORPORATION Wichita, Kansas	OVERHAUL SPECIFICATION NO 7009	PAGE 1
APPROVAL <i>[Signature]</i>				

89

2. APPLICABLE PUBLICATIONS

2.1 Specifications:

2.1.1 Military.-

MIL-P-6074

Preservation, Packaging, and Packing
of Propellers

2.2 Technical Orders.- Compliance with this overhaul specification constitutes compliance with the technical order listed below.

03-20-21

Shipment of Disassembled Propellers, dated
April 4, 1944

3. REQUIREMENTS

3.1 General.- The steps in preparing a propeller for storage are cleaning, applying preserving compounds, wrapping and storing. The corrosion-preventive mixture as called out herein is one part compound, Specification MIL-C-7853, mixed with three parts of lubricating oil, Specification MIL-L-6082.

3.2 Cleaning of Propellers.- The first step in preparing a propeller for storage is to clean the parts of any dirt or soil that would aid corrosion. The propeller will be torn down only far enough to remove it from the aircraft and to install it into its shipping container. Wash propeller and parts in PS 661 solvent or its equivalent. Stronger cleaning agents will not be used due to the danger of using an agent that would set up corrosion after applying the preservatives.

3.3 Preservation Procedures:

3.3.1 Aeroproducts Propellers.-

(a) Coat the outer surfaces of the propeller hub, hub bore, blades, regulator assembly, shaft nut, and accumulator assembly with:

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APPROVAL <i>[Signature]</i>			7009	2

3.3.1 Aeroproducts Propellers.- (Continued)

corrosion-preventive compound conforming to Specification AN-C-124.

- (b) Wrap loose parts of propeller in moisture resistant barrier conforming to Specification JAN-B-121.
- (c) Wrap propeller hub and regulator assembly in moisture resistant barrier conforming to Specification JAN-B-121.
- (d) Place preserved propeller and loose parts in a wooden packing case conforming to Specification MIL-P-6074.

3.3.2 Hamilton Standard Hydromatic Propellers.-

- (a) Coat propeller hub, hub bore and blades with corrosion-preventive compound conforming to Specification AN-C-124. Wrap propeller hub with moisture-resistant barrier conforming to Specification JAN-B-121.
- (b) Dip dome assembly in corrosion-preventive mixture as called out in Paragraph 3.1. Wrap dome assembly in moisture-resistant barrier.
- (c) Dip pre-load shims (if used), stop rings, distributor valve and any other loose parts in corrosion-preventive mixture and wrap in moisture resistant barrier.
- (d) Place all parts in a wooden packing case conforming to Specification MIL-P-6074.

3.3.3 Hamilton Standard Counterweight Propellers.-

- (a) Coat cylinder head lock ring, cylinder head, propeller blades, propeller hub, hub bore and piston assembly with corrosion-preventive compound conforming to Specification AN-C-124.
- (b) Install cylinder head and cylinder head lock ring in cylinder barrel.
- (c) Wrap propeller hub with moisture-resistant barrier.
- (d) Place in a wooden packing case conforming to Specification MIL-P-6074.

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APPROVAL <i>W. K. Fassett</i>	DATE REVISED	Beach Aircraft CORPORATION Wichita, Kansas	OVERHAUL SPECIFICATION NO. 7009	PAGE 3
APPROVAL <i>[Signature]</i>				

3.4. Propeller Record.-- When a propeller is boxed for shipment or storage, the propeller records will be placed in a waterproof envelope and attached to one end of the box and covered with a piece of plywood for protection from exposure and handling.

3.5 Depreservation of Propellers.--

- (a) Remove propeller from packing case.
- (b) Remove wrapping material from hub and loose parts.
- (c) Wipe corrosion-preventive compound from propeller and parts with a clean cloth soaked in PS 661 solvent or its equivalent.
- (d) Reassemble and lubricate propeller in accordance with applicable propeller handbooks.

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			7009	4