

BRADDICK SPECIALISED AIR SERVICES INTERNATIONAL (PTY) LTD

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SOUTH AFRICA**



DOUGLAS DC3/C47-65ARTP

MAINTENANCE SCHEDULE OVERVIEW

Compiled by:

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	DOUGLAS DC3/C47-65ARTP	

1. APPROVAL PAGE

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1. INTRODUCTION

The purpose of this Maintenance Schedule Overview is to provide the potential customer with an indication of the maintenance requirements for continued airworthiness of the DC3/C47-65ARTP aircraft.

2. SOURCE DOCUMENTATION

Information contained herein has been extracted from the Turbine Versions (PTY) LTD and AVIA Air Charter (PTY) LTD, SA CAA approved maintenance schedule for the DC3/C47-65ARTP aircraft.

3. DC3/C47-65ARTP CONTINUED AIRWORTHINESS

A. SCHEDULED INSPECTIONS

The Continuous Inspection Program for the DC3/C47-65ARTP phased inspection concept involves three Phase Inspections, (Phase 1, Phase 2, and Phase 3) being carried out at the prescribed flight hour or calendar time intervals, in addition to the Pre-flight, Between Flight and After Flight Inspections.

The Continuous Inspection Program consolidates the Phase 1 through Phase 3 periodic inspection requirements into packages having approximately the same work content and approximately the same number of clock hours for accomplishment.

The primary objective of the Continuous Inspection Program is to ensure that all the requirements are complied with for the continued airworthiness of the aircraft and the secondary objective is to minimize the length of time that an aircraft is out-of-commission for any given Phase inspection.

Additional inspections or procedures required to be carried out by the original equipment manufacturer are cross referenced in the Continuous Inspection Program to that manufacturers maintenance documentation for compliance.


NOTE:

Due to the adverse environment in which the DC3/C47-65ARTP aircraft sometimes operate, the owner/operator should adapt the inspection requirements to adequately address the operating conditions.

The Continuous Inspection Program cycle of time limited and maintenance checks shall be as follows:

TABLE 1: CONTINUED AIRWORTHINESS INSPECTIONS

PHASE	DESCRIPTION	PERFORMED BY:	HOURS
Pre-flight	a) Prior to the first flight of the day b) First flight after a higher check c) First flight after a stopover of 16 or more hours	a) Engineer; or b) Flight Crew	Daily
Between Flight	With aircraft positioned at the departure base: a) When in transit; b) During all hangar visits after a flight where no higher checks have been scheduled; and c) Following training and test flights.	a) Engineer; or b) Flight Crew	Daily

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PHASE	DESCRIPTION	PERFORMED BY:	HOURS
After- flight	After each flight	a) Engineer; or b) Flight Crew	Daily
PHASE 1	Airframe and Equipment Inspection	a) AMO;	150 Flying Hours or 8 Months
PHASE 1	Engine & Propeller Inspection	a) AMO;	150 Flying Hours or 8 Months
PHASE 2	Airframe and Equipment Inspection	a) AMO;	300 Flying Hours or 16 months
PHASE 2	Engine & Propeller Inspection	a) AMO;	300 Flying Hours or 16 months
PHASE 3	Airframe and Equipment Inspection	a) AMO;	450 Flying Hours or 24 months
PHASE 3	Engine & Propeller Inspection	a) AMO;	450 Flying Hours or 24 months

B. OVERHAUL AND REPLACEMENT OF CLASS I AND II PRODUCTS

Listed in Table 2 are the extension intervals, which may be granted to the Time between overhauls, which have been considered by the Commissioner in respect of the aircraft and installed equipment.

These extension periods maybe granted if the manufacturer has not stipulated an escalation program, which has been approved by the Commissioner. **Escalation programs do not qualify for this extension.**

TABLE 2: EXTENSION PERIODS

Prescribed TBO's	Maximum Extension Period Permitted unless the Commissioner approved otherwise
Up to 3 000 hours	100 hours
3 001 to 6 000 hours	200 hours
6 001 to 9 000 hours	300 hours
9 001 to 12 000 hours	400 hours

C. LIFED COMPONENTS

Table 3 provides the listing of components that are presently subject to a specific flight hour life or calendar time.

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TABLE 3: LIFED COMPONENT LISTING

PART NUMBER	COMPONENT DESCRIPTION	NATURE of WORK	SERVICE LIFE HOURS	SERVICE LIFE MONTHS
24-00 ELECTRICAL				
250SG120Q-1	Starter/Generator	Bench Check	1000	
	Misc. Electrical Motors	Inspect and Overhaul, As Req'd.	8000	
26-00 FIRE PROTECTION				
89A(2)	Engine Fire Ext.	Weigh		6
89A(2)	Engine Fire Ext.	Hydrostatic Test		60
58311-004	Engine Fire Ext., Squib	Test		24
58311-004	Engine Fire Ext., Squib	Replace		60
27-00 FLIGHT CONTROLS				
51484-00	SAS Spring	Replace	2000	
5115204	Flap Assy.	Inspect and Repair	8000	
5115200	Flap Assy.	Inspect and Repair	8000	
28-00 FUEL SYSTEM				
5110508	Auxiliary Fuel Tank, LH Fwd	Inspect And Re-Condition	4200	
5110509	Auxiliary Fuel Tank LH Aft	Inspect And Re-Condition	4200	

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PART NUMBER	COMPONENT DESCRIPTION	NATURE of WORK	SERVICE LIFE HOURS	SERVICE LIFE MONTHS
5110508-1	Auxiliary Fuel Tank RH Fwd	Inspect And Re-Condition	4200	
5110509-1	Auxiliary Fuel Tank RH Aft	Inspect And Re-Condition	4200	
32-00 LANDING GEAR				
5140045	Retraction Strut		8000	
65900	Oleo Strut Assy Main L/G	Overhaul	4200	
5110568	Landing Gear Assy	Inspect	8000	
5141775	Upper Truss Assy	Inspect	8000	
5110568TP-1	Lower Assy. L/Gear	Inspect	8000	
5143760	Oleo Strut, Tail Gear	Overhaul	4200	
5115862	Fork, Assy, Tail Gear.	Inspect And Repair	8000	
34-00 NAVIGATION				
Customer Supplied	Altimeter Pilot	Functional Bench Check		12
Customer Supplied	Altimeter Co-Pilot	Functional Bench Check		12
Customer Supplied	Magnetic Compass	Functional Bench Check	4200	
Customer Supplied	Airspeed Ind.	Functional Bench Check	4200	
Customer Supplied	Instrument Hoses	Replace		96
Customer Supplied	Transponder	Functional Bench Check	On Condition	12

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PART NUMBER	COMPONENT DESCRIPTION	NATURE of WORK	SERVICE LIFE HOURS	SERVICE LIFE MONTHS
Customer Supplied	ATC Mode S TXNPDR	Functional Bench Check	On Condition	12
54-00 NACELLES				
5142056-550	Aft Of Firewall	Inspect and Repair	8000	
55-00 EMPENNAGE				
5115208	Vertical Stabiliser Assy.	Inspect and Repair	8000	
5115209	Horisontal Stabiliser Assy.	Inspect and Repair	8000	
57-00 WINGS				
CENTRE WING				
5141401	Interior Structure And Inst.	Inspect and Repair	8000	
	WS 140 Attach Angles	Inspect and Replace	As per SB 262	
OUTER WINGS				
	WS 140 wing attach angles	As per SB 262	As per SB 262	
61-00 PROPELLER				
HC-B5MP-3C	Propeller	Overhaul	3000	60
M10876(ASK)	Blade	Retire	48000	
	Hub	Replace As Per AD		

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PART NUMBER	COMPONENT DESCRIPTION	NATURE of WORK	SERVICE LIFE HOURS	SERVICE LIFE MONTHS
71-00 POWER PLANT				
	Flexible Hoses, Flammable Fluid	Inspect and Replace		84
72-00 ENGINE				
PT6A-65AR	Engine	Overhaul	6000	
PT6A-65AR	Gas Generator	Overhaul	6000	
PT6A-65AR	Power Section	Overhaul	6000	
PT6A-65AR	Hot Section	Inspection	2000	
3033355	Fuel Filter	Replace	150	
310797-01	P3 Filter LH	Inspect And Clean	1000	
8210-034	Propeller Control Unit	Overhaul	4500	
73-00 ENGINE FUEL AND CONTROL				
B210631	Overspeed Governor	Overhaul	6500	
77-00 ENGINE INDICATING				
660534	Fuel Flow Transducer.	Overhaul	7000	
EM8001-4	Tacho Generator Ng	Operational Check	1000	
EM8001-4	Tacho Generator Ng	Operational Check	1000	

NOTE

CUSTOMER FURNISHED EQUIPMENT IS NOT ADDRESSED IN THE ABOVE LISTING.

D. AIRWORTHINESS DIRECTIVES

Table 4, Airframe Airworthiness Directives (AD's) lists the AD's applicable to the DC3/C47-65ARTP aircraft, as at 15/12/2007.

TABLE 4: APPLICABLE AIRFRAME AIRWORTHINESS DIRECTIVES

A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD41-47-01	SB 207	M/89/483	Control surface balance.	All DC3 Series Aircraft	Balance control surfaces i.a.w. SB 207 and Douglas Structural Repair Manual except ailerons are to be balanced in accordance with M/89/483.	At control surface overhaul or repair
AD46-43-02	SB C47-101	N/a	Rudder pedal slide tube, additional bolt.	DC3 Series Aircraft Having the No. 4118923 Magnesium Alloy Casting Rudder Pedal Slide Tube Support.	Inspect aircraft and verify that the additional bolt is installed as per AD requirement.	One time
AD56-14-02	SB 261	M/93/011E	Main landing gear axles.	All DC3 Series Aircraft Operated at Weights in Excess of 25,200 Pounds.	Verify that axles installed are P/N 5367124 iaw AD and Type Certificate 6A2 as required by mod M/93/011E	At each axle installation
AD63-23-01 (a)	SB 262	N/a	Wing upper attach angle visual inspection.	All DC-3 series aircraft including military type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Carry out visual inspection using 4X magnification.	450 hrs

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A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD63-23-01 (b)	SB 262	N/a	Wing removal for upper attach angle inspection.	All DC-3 series aircraft including military type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Remove wings in order to carry out inspections required by para (c).	8 000 hrs
AD63-23-01 (c)	SB 262	N/a	Wing upper attach angle inspection, wings removed.	All DC-3 series aircraft including military type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Visual and dye penetrant inspection of upper attach angles and doublers using dye penetrant and 6X magnification	8 000 hrs
AD63-23-01 (g)	SB 262	N/a	Compression angle and waffle plate tolerance	All DC-3 series aircraft including military type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Compression angles and waffle plates to be milled and measured to be within the specified tolerance	

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A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD66-18-02 (a)	SB 262	N/a	Wing lower attach angle inspection.	All DC-3 series aircraft including Military Type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Inspect wing lower attach angles i.a.w. para (a) using 4X magnification visual inspection	450 hrs
AD66-18-02 (b)	SB 262	N/a	Incorporate Service Bulletin 262.	All DC-3 series aircraft including Military Type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Renew attach angles i.a.w. SB 262	16 000 hrs
AD66-18-02 (c) First cycle inspection.	SB 262	N/a	Wing removal for lower attach angle and doubler inspection.	All DC-3 series aircraft including Military Type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Inspect wing lower attach angle and doubler using 6X magnification visual inspection or dye penetrant.	7 500 but before 8 000 hrs

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A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD66-18-02 (c) Second cycle inspection.	SB 262	N/a	Wing removal for lower attach angle and doubler inspection.	All DC-3 series aircraft including Military Type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Inspect wing lower attach angle and doubler using 6X magnification visual inspection or dye penetrant.	11 500 but before 12 000 hrs
AD66-18-02 (g)	SB 262	N/a	Compression angle, butt plate and waffle plate tolerance.	All DC-3 series aircraft including Military Type C-41, C-41A, C-47, C-47A, C-47B, C-48, C-48A, C-49, C-49A, C-49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A and R4D series except R4D-8 aircraft, certificated in all categories	Compression angles and waffle plates to be milled and measured to be within the specified tolerance	
AD68-07-05 (b)	SB 244	N/a	Elevator rib replaced with 0.040" material.	DC-3 Series and C-47 Series Airplanes having an Elevator P/N 5115210 incorporating Elevator Ribs P/N 5115210-5 or -9 and Trim Tab Hinge P/N 1141847	Verify that 0,040" Elevator rib installed, visually inspect for cracks.	2 500 hrs

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A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD90-05-08	Report # L26-013	N/a	Compliance with McDonnell Douglas Corporation Report # L26-013, "DC3 Supplemental Inspection Document" requirements.	McDonnell Douglas Model DC-3, DC-3A, DC-3B, DC-3C, DC-3D, Super DC-3S, DST, and (Military) C-41, C-47, C-48, C-49, C-50, C-51, C-52, C-53, C-68, C-84, C-117, R4D series airplanes, including those modified for turbo-propeller power, certificated in any category.	Principal Structural Elements threshold hours verified, and complied with in accordance with the AD. (Refer to S.I.D. compliance checklist, attached hereto.)	S.I.D frequencies to be complied with.
AD92-06-15 (b)	SB 229 and SB 263	N/a	Center section wing skin cracks.	Model DST, Super DC-3, DC-3, DC-3A, DC-3B, DC-3C, and DC-3D series airplanes; all military versions, C-41, C-41A, C-47, C47A, C-47B, C-48, C48A, C-49, C-49A, C49B, C-49C, C-49D, C-49J, C-49K, C-50, C-50A, C-50B, C-50C, C-50D, C-51, C-52, C-52A, C-52B, C-52C, C-53, C-53B, C-53C, C-53D, C-68, C-117A, C-117D, and R4D series airplanes, including those modified for turbo-propeller power; certificated in any category.	Visual inspection i.a.w. Douglas drawing SR03578002, Rev. "A".	2 000 hrs
AD RSA77/156	N/a	N/a	Landing gear upper truss inspection.		Carry out NDI of landing gear upper truss inspected i.a.w. AD.	100 landings.
AD RSA80/123	N/a	N/a	Landing gear upper through bolt.		Inspect landing gear upper attaching through bolts for corrosion and wear as per AD.	1000 hrs
AD78-18-02	N/a	N/a	Elevator control cable clearance.	Model DC-3 Series, DC-3A Series, DC-3C Series, DC-3D, Super DC-3 and R4D Series certificated in all categories, including all military models.	Inspect aircraft for required clearance at FS 63	One time

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A.D. Number	SB Ref	Mod Reference	Short Description	Affectivity	Compliance Method	Frequency
AD98-04-35	N/a	N/a	To minimize the potential hazards associated with operating the airplane in severe icing conditions.	All Model DC-3 and DC-4 series airplanes, certificated in any category	Insert copy of AD in Aircraft Flight Manual. Limitations Section and advise all aircrew of this information.	One time
AD98-14-14	N/a	N/a	To prevent loss of airplane controllability, or engine overspeed and consequent loss of engine power.	All turbopropeller-powered McDonnell Douglas Model DC-3 and DC-3C series airplanes, certificated in any category.	Insert a copy of this AD in the Aircraft Flight Manual, Normal Procedures section and advise aircrew of this information.	One time
AD/RSA/69/125	N/a	N/a	I.L.S. flag alarm circuitry		Verified new avionic installation complies.	One time
AD74-08-09 (a)	N/a	N/a	Fire prevention in lavatory.	All passenger aircraft	"No Smoking in Toilet" placard installed.	One time
AD74-08-09 (b)	N/a	N/a	Fire prevention in lavatory.	All passenger aircraft	Passenger briefing sheet contains warning that smoking is prohibited in toilet compartment.	One time
AD74-08-09 (c)	N/a	N/a	Fire prevention in lavatory.	All passenger aircraft	Install removeable ashtray near toilet door.	One time

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E. AIRWORTHINESS DIRECTIVES

Table 5, Engine Airworthiness Directives (AD's) lists the AD's applicable to the PT6A-65AR engine, as at 15/12/2007.

TABLE 5: APPLICABLE ENGINE AIRWORTHINESS DIRECTIVES

A.D. Number	SB Reference	Short Description	Affectivity	Compliance Method	Frequency
AD97-04-12	PWC Service Bulletins (SBs), as applicable: 14251, Revision 1, dated December 2, 1996; 13287, Revision 1, dated December 2, 1996; 12134, Revision 1, dated December 2, 1996; 4204, dated December 10, 1996, Original; 3344, Revision 1, dated December 3, 1996; and 1538, Revision 3, dated December 2, 1996.	To prevent engine power reduction due to malfunction of the compressor bov, which could result in a forced engine shut down	No further action is required if code No. 8070 is not on the cover of the compressor BOV, or if the compressor BOV has been marked with the reidentification "RE71" adjacent to the part number.	N/A due to part number	N/A

F. AIRWORTHINESS DIRECTIVES

Table 6, Propeller Airworthiness Directives (AD's) lists the AD's applicable to the Hartzell HC-B5MP-3C Propeller, as at 15/12/2007.

TABLE 6: APPLICABLE PROPELLER AIRWORTHINESS DIRECTIVES

A.D. Number	SB Reference	Short Description	Affectivity	Compliance Method	Frequency
AD83-08-01 (a)	TRW Hartzell Instructions No. 140 dated March 15, 1982	To preclude propeller attach bolt failures or improperly secured propellers	all the TRW Hartzell Model HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, and HC-B5MP-3 turbopropellers. The HC-B()TN-2, HC-B()TN-3, and HC-B()MP-3 propellers are installed on Pratt & Whitney Aircraft of Canada Model PT6A-() series engines. The HC-B()TN-5 and HC-B()MN-5 series propellers are installed on the AiResearch TPE-331-() series engines.	Propeller installation and torque sequence prescribed by the AD to be used.	Every propeller installation
AD87-05-01	Hartzell Service Bulletin No. 136C, dated March 3, 1986	To prevent propeller blade separation near the hub which could result in cabin penetration	Hartzell Model HC-B5MP-3()/M10876() propellers installed on Short Brothers Ltd. Model SD3-60 aircraft	Although the applicability statement reflects N/a to DC3/C47-65ARTP aircraft. All propeller blade serial numbers are to be checked and verified to be subsequent to F75966 at each propeller installation.	Each propeller installation
AD87-16-02 (b)	Hartzell Service Bulletin No. 136D, dated May 23, 1986	To prevent propeller blade separation near the hub which could result in engine separation from the aircraft	Model HC-B5MP-3C/M10876K propellers installed on Short Brothers Model SD3-60 aircraft	Although the applicability statement reflects N/a to DC3/C47-65ARTP aircraft. All propeller blade part numbers are to be checked and verified to be M10876ASK at each propeller installation.	Each propeller installation

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A.D. Number	SB Reference	Short Description	Affectivity	Compliance Method	Frequency
AD86-15-04	Hartzell Propeller Inc. ASB No. HC-ASB-61-220, dated July 8, 1996.	To prevent propeller blade separation caused by propeller blade shank cracks emanating from forging flaws	The propeller blades identified by serial numbers are limited to those manufactured between March 1992 and June 1996, and represent a group of aluminum propeller blade designs, which are: D9327(), D9512A(), LT10673(), LT10673()-2Q, M10282()+6, M10876(), LT10876()-2Q, and E10477K.	All propeller blade serial numbers are to checked and verified to be not included in Hartzell Propeller Inc. ASB No. HC-ASB-61-220, dated July 8, 1996	Each propeller installation
A.D. Number	SB Reference	Short Description	Affectivity	Compliance Method	Frequency
AD96-18-14		To prevent propeller hub, blade, or blade clamp failure, which can result in loss of aircraft control	Hartzell Propeller Inc. (Hartzell) Models HC-A3VF-7(), HC-B3TF-7(), HC-B3MN-3(), HC-B3TN-2(), HC-B3TN-3(), HC-B3TN-5(), HC-B4MN-5(), HC-B4MP-3(), HC-B4TN-3(), HC-B4TN-5(), HC-B5MA-3(), HC-B5MP-3(), HC-B5MP-5(), HC-B3MN-5(), HC-B3TN-4(), HC-B4MP-4(), and HC-B5MN-3() propellers.	Replace the hub assembly at the time indicated in table 1 of the AD.	One time

G. REPORT L26-013:- DC3 SUPPLEMENTAL INSPECTION DOCUMENT.


Table 7, Applicable Principal Structural Elements (Pse's) lists the PSE's, inspection threshold and inspection intervals applicable to the DC3/C47-65ARTP aircraft.

TABLE 7: APPLICABLE PRINCIPAL STRUCTURAL ELEMENTS (PSE's).

PSE. Number	Short Description	Affectivity	Compliance Method	Threshold Date/Hrs/Cyc	Inspection Sequence	Frequency	Doc Reference
32.03.01D	Main Landing Gear Upper Truss.	All DC3 and C47 aircraft	Dye penetrant and/or visual inspection iaw SID 32.03.01D	36 000 hrs	1. Penetrant 2. Visual	20 000 Hrs 4 000 Hrs	REPORT L26-013
53.03.01B	Fuselage to Vertical Stabilizer attachment	All DC3 and C47 aircraft	Visual inspection iaw SID 53.03.01B	53 500 Hrs	1. Visual	10 000 Hrs	REPORT L26-013
55.03.01B	Elevator Hinge Brackets.	All DC3 and C47 aircraft	NDI and visual inspection iaw SID55.03.01B	60 000 Hrs	1. High freq. Eddy Current. 2. Visual.	2 000 Hrs 2 000 Hrs	REPORT L26-013
55.03.02A	Lower Rudder Support	All DC3 and C47 aircraft	Visual inspection iaw SID 55.03.02A	30 000 Hrs	1. Visual.	3 000 Hrs	REPORT L26-013
55.03.03B	Rudder Hinge Brackets, No 1 and 2.	All DC3 and C47 aircraft	NDI and visual inspection iaw SID55.03.03B	34 000 Hrs	1. High Freq Eddy Current. 2. Visual.	7 000 Hrs 7 000 Hrs	REPORT L26-013
55.03.05A	Upper Rudder Support.	All DC3 and C47 aircraft	Visual inspection iaw SID 55.03.05A	30 000 Hrs	1. Visual.	3 000 Hrs	REPORT L26-013
57.03.01B	Outer wing lower spanwise skin splice at front, centre and rear spar caps. (outboard)	All DC3 and C47 aircraft	NDI and visual inspection iaw SID57.03.01B	54 000 Hrs	1. High Freq. Eddy Current. 2. Visual.	10 000 Hrs 4 000 Hrs	REPORT L26-013
57.03.04B	Aileron Hinge Support Structure.	All DC3 and C47 aircraft	Visual inspection iaw SID 57.03.04B	60 000 Hrs	1. Visual.	10 000 Hrs	REPORT L26-013
57.03.05A	Main Landing Gear Rear Strut Attach Structure.	All DC3 and C47 aircraft	NDI and visual inspection iaw SID57.03.05A	73 000 Hrs	1. High Freq. Eddy Current. 2. Visual.	4 000 Hrs 4 000 Hrs	REPORT L26-013

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PSE. Number	Short Description	Affectivity	Compliance Method	Threshold Date/Hrs/Cyc	Inspection Sequence	Frequency	Doc Reference
57.03.06B	Lower Wing Skin Chordwise Splice.	All DC3 and C47 aircraft	NDI and visual inspection iaw SID57.03.06B	54 000 Hrs	1. High Freq. Eddy Current. 2. Visual.	12 000 Hrs 4 000 Hrs	REPORT L26-013
57.03.07B	Outer wing lower spanwise skin splice at front, centre and rear spar caps. (Inboard)	All DC3 and C47 aircraft	NDI and visual inspection iaw SID57.03.07B	54 000 Hrs	1. High freq. Eddy Current. (Internal) 2. Visual. (Internal) 3. High Freq. Eddy Current. (External) 4. Visual. (External)	10 000 Hrs 4 000 Hrs 10 000 Hrs 4 000 Hrs	REPORT L26-013
57.03.02B	Wing attach angles.	All DC3 and C47 aircraft	AD63-23-01 AD66-18-02	AD63-23-01 AD66-18-02	Refer to AD's.	Refer to AD's	Refer to AD's
57.03.03B	Lower wing skin and front spar cap.	All DC3 and C47 aircraft	AD69-15-04 as Superseded by AD 92-06-15.	AD69-15-04 Superseded by AD 92-06-15.	Refer to AD	Refer to AD.	Refer to AD's

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4. CORROSION CONTROL

During the pre-conversion inspection and the conversion process, application of protective coatings provides a means of preventing corrosion.

The Continuous Inspection Program ensures that the corrosion prone areas of the aircraft are routinely inspected.

It is however strongly advised that customers, whose aircraft are to be operated in high corrosion areas, such as maritime environment, should consider the application of additional corrosion prevention treatments, eg. Dinitrol or similar, that can be easily applied during the conversion process.

5. CONCLUSION

The DC3/C47-65ARTP aircraft maintenance instructions for continued airworthiness addresses the required AD's, Supplemental Inspections for Aging Aircraft and provides adequate inspection procedures for normal operation of the aircraft.

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