



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

November 23, 2021

STRUCTURES

Group Chairman's Factual Report

CEN20LA175

**Appendix A – N31704 Maintenance Records
(15 pages)**

AIRCRAFT PERFORMANCE DATA		
ENVIRONMENTAL CONDITIONS		
IOAT C°		
PRESS ALT		
KIAS		
ENG COND	LEFT	RIGHT
ITT		
TORQUE		
RPM		
N1		
FUEL FLOW		
OIL PRESS		
OIL TEMP		
BLEED ON/OFF		
ICE VANES ON/OFF		

CHECK OF RECEIPTER CHECK	
TEST POINT	
TYPE OF CHECK	
NAV 1	NAV 2
TO	TO
FROM	FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	15 APR 14	A/C N	31704
CAPTAIN	E VINTON	FLT/SPL#	4199
EMP ID#	[REDACTED]	ACM	J. LORENZI
CAPTAINS SIGNATURE	[REDACTED]	EMP ID#	[REDACTED]

CARRIED FORWARD	37011.8	49927
WINDSPEED	2.3	1
TOTALS	37014.1	49928

MECHANICAL DISCREPANCIES/TASKS			CORRECTIVE ACTION	
#4-9	Flight ☒ Maint ☒	Airport ID: SSA	ATA 32	[REDACTED]
ON "APPROACH" Landing gear would not extend.			Troubleshoot and found 4H MLG- Actuator switch wire damage removed & replaced actuator with a rebuilt unit S/N 14	
MANUALLY pumped gear to DOWN position. RII require			TAW BELSVO AMN 32-30-10-201 AS Applicable ops check normally & NO HAZARD noted on work performed at this time. RII LN #352522 4-15-14	
#4-10	Flight ☒ Maint ☒	Airport ID: SSA	ATA 32	[REDACTED]
Operational Check Flights required for MLG retraction			Aircraft released for Operational Check Flight only.	
Aircraft is airworthy for Operational Check Flight only.			OPERATIONAL CHECK FLIGHT per requirements listed on FORM MNT40600CF.	
Extension system operation.			[REDACTED]	
#	Flight ☐ Maint ☐	Airport ID:	ATA	SIGN
				Cert
			STA	DATE
			PCT#	



APPH WICHITA, Inc.

BBA Aviation

40600-1213

Date: 01 Jul 2013

Part #: 40600-1213

R
23

Description: ACTUATOR ASSY

Serial
Number: 14

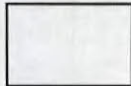
Received From: AMERIFLIGHT - BURBANK

Ship To: PO BOX 7838

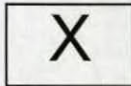
PO: C013918

City, State, Zip: BURBANK, CA, 91510-7838, US

Ship Via:



Warranty



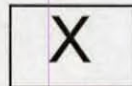
Overhaul



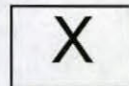
Repair



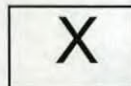
Rebuilt



Test



Inspect



Issue 8130

Cycles Since New (CSN):

Cycles Since OH (CSO):

Cycles Since Repair (CSR):

Total Time (TT):

Time Since OH (TSO):

Time Since Repair (TSR):

Date of Approval to Proceed

R
18

7-25-13

Date of charges Approved

R
18

7-25-13

Customer Purchase Order Instructions / Comments

UPGRADE TO 40600-12

Work Performed

Work Performed IAW: AIRCRAFT 40600 DRAWING, ISSUED 8-10-12 REV AC
PERFORMED A FUNCTIONAL TEST IAW F.T.R 40600-12. NO DEFECTS NOTED AT 31 AUG 02 2013

Parts Replaced

1	40600-12	SEAL KIT	1.	40601.5	BARREL
1	25719-6	SLIDE LOCK	1.	MS 28775	218 SEAL
1	40605-3	REMAINER	1.	MS 28774	228 BACKUP
1	25608-2	FITTING			
1	40602-8	HOUSING			
2	40600-7	SCREW			
1	40618-1	BUSHING			
1	53.012.062.0550	ROLL PIN			
1	PLGA 3430010A	LEE PLUG			
1	PLGA 4060010A	LEE PLUG			

Disassembly

R
20

Clean

R
21

Inspected

R
23

Assembly

R
13

Functional Test Performed

R
15

Final Inspection Performed

R
15

FAA Form 8130 Issued

R
15Work Order
Number

652483

CRO

211240

Inspector's Signature

MRO  BBA Aviation	Shop Order 652483 / * / *		Part 40600-8-10 (R 23)	Eng Revision AC	Required By 31 Jul 2013	Quantity 1	Page 1 of 2
	Rout Rev 1	BOM Rev 1	Start Date 12 Jul 2013	Description ACTUATOR ASSY <i>14 Aug</i>			
	Customer P/N 114-380041-9		CRO Number 211240 / 1	Customer AMERIFLIGHT - BURBANK		Customer PO C013918	
	Print Date 01 Jul 2013	Raised By PORSHA.PURDY		Serial No. 14	Location		

Router Notes

REFERENCE AIRIGHT DWG. 40600 REVISION AC

 576699	OP No. 11	Due Date 12Jul13	Work Center OASSY	Operation DISASSEMBLE,CLEAN, INSPEC	Setup 0.00	Unit Time 0.55	OP Time 0.55
---	--------------	---------------------	----------------------	--	---------------	-------------------	-----------------

1 DISASSEMBLE,CLEAN, INSPEC

REFERENCE AIRIGHT 40600 DRAWING CURRENT REV.
DISASSEMBLE UNIT
CLEAN UNIT
INSPECT PIECE PARTS

Good	Scrap	Oper.	Insp.	Date
1	0	(R 23)	N/A	7-10-13 JUL 10 2013

 576700	OP No. 21	Due Date 31Jul13	Work Center RONDI	Operation AIR CAPITOL NDI SERVICE	Setup 80.00	Unit Time 0.00	OP Time 80.00
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Notes: 8130 REQUIRED

1 OUTSIDE PROCESS

NON-DESTRUCTIVE INSPECT (MAGNAFLUX PER ASTM 1444-01) PART NUMBERS
25719-4 SLIDE
40611-1 ROD END
25720-2 WASHER
25720-3 WASHER
40604-2 PISTON
40614-1 RETAINER
NON-DESTRUCTIVE INSPECT (PENETRANT PER ASTM E-1417-99 PART NUMBERS)
40602-6 HOUSING
40603-6 END CAP
25716-1 SPRING
40601-3 BARREL

REPLACE IF REQUIRED (CHECK YES OR NO)
YES ☒ NO ☐ SWITCH - 1EN51-6
YES ☒ NO ☐ CONNECTOR - MS3126F12-10P

Good	Scrap	Oper.	Insp.	Date
1	0	N/A	(R)	7/10/13

 576701	OP No. 22	Due Date 31Jul13	Work Center INSP.	Operation VENDOR COMPLIANCE	Setup 0.00	Unit Time 0.10	OP Time 0.10
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1 INSPECT FOR VENDOR

COMPLIANCE 8130

Good	Scrap	Oper.	Insp.	Date
1	0	N/A	(R)	7/15/13

 576702	OP No. 30	Due Date 31Jul13	Work Center O TEST	Operation ASSEMBLE AND TEST	Setup 0.00	Unit Time 1.00	OP Time 1.00
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MRO	Shop Order 652483 / * / *	Part 40600-8-10 ¹² R 23	Eng Revision AC	Required By 31 Jul 2013	Quantity 1	Page 2 of 2
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 576702	OP No. 30	Due Date 31Jul13	Work Center O TEST	Operation ASSEMBLE AND TEST	14 Aug ^{14 Aug} Setup 0.00	Unit Time 1.00	OP Time 1.00																														
1 ASSEMBLE AND TEST REFERENCE AIRIGHT 40600 DRAWING CURRENT REVISION ASSEMBLE FUNCTIONAL TEST ✓ PAINT INSTALL ROD END AND SWITCH ASSY FINAL FUNCTIONAL TEST ✓					<table border="1"> <thead> <tr> <th>Good</th> <th>Scrap</th> <th>Oper.</th> <th>Insp.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>R 13</td> <td>N/A</td> <td>7.29.13</td> </tr> <tr> <td>1</td> <td>0</td> <td>A131</td> <td>N/A</td> <td>JUL 30 2013</td> </tr> <tr> <td>1</td> <td>0</td> <td>R 13</td> <td>N/A</td> <td>8.2.13</td> </tr> <tr> <td>1</td> <td>0</td> <td>R 14</td> <td>N/A</td> <td>8-2-13</td> </tr> <tr> <td>1</td> <td>0</td> <td>A131</td> <td>N/A</td> <td>AUG 02 2013</td> </tr> </tbody> </table>			Good	Scrap	Oper.	Insp.	Date	1	0	R 13	N/A	7.29.13	1	0	A131	N/A	JUL 30 2013	1	0	R 13	N/A	8.2.13	1	0	R 14	N/A	8-2-13	1	0	A131	N/A	AUG 02 2013
Good	Scrap	Oper.	Insp.	Date																																	
1	0	R 13	N/A	7.29.13																																	
1	0	A131	N/A	JUL 30 2013																																	
1	0	R 13	N/A	8.2.13																																	
1	0	R 14	N/A	8-2-13																																	
1	0	A131	N/A	AUG 02 2013																																	

 576703	OP No. 40	Due Date 31Jul13	Work Center F ASSY	Operation FINAL ASSEMBLY	Setup 0.00	Unit Time 1.25	OP Time 1.25										
1 FINAL ASSEMBLY REFERENCE AIRIGHT 40600 DRAWING CURRENT REVISION INSTALL/INSPECT SAFETY WIRE INSTALL/INSPECT INSPECTION TORQUE SEAL SIGN AND STAMP OFF ISSUE 8130					<table border="1"> <thead> <tr> <th>Good</th> <th>Scrap</th> <th>Oper.</th> <th>Insp.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>R 13</td> <td>N/A</td> <td>8.5.13</td> </tr> </tbody> </table>			Good	Scrap	Oper.	Insp.	Date	1	0	R 13	N/A	8.5.13
Good	Scrap	Oper.	Insp.	Date													
1	0	R 13	N/A	8.5.13													

 576704	OP No. 50	Due Date 31Jul13	Work Center OFINS	Operation FINAL INSPECTION	Setup 0.00	Unit Time 0.10	OP Time 0.10															
1 CUSTOMER P/N: 114-380041-9 (40600-8) ALL WORK PERFORMED PER THIS SHOP ROUTER AND IAW AIRIGHT DRAWING NUMBER 40600, CURRENT REVISION REPAIRMAN [REDACTED] DATE <u>7.29.13</u> INSPECTOR [REDACTED] FAA REPAIR STATION NUMBER OU2R070L / JAA.5895					<table border="1"> <thead> <tr> <th>Good</th> <th>Scrap</th> <th>Oper.</th> <th>Insp.</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>R 13</td> <td>N/A</td> <td>7.29.13</td> </tr> <tr> <td>1</td> <td>0</td> <td>N/A</td> <td>R 15</td> <td>8/8/13</td> </tr> </tbody> </table>			Good	Scrap	Oper.	Insp.	Date	1	0	R 13	N/A	7.29.13	1	0	N/A	R 15	8/8/13
Good	Scrap	Oper.	Insp.	Date																		
1	0	R 13	N/A	7.29.13																		
1	0	N/A	R 15	8/8/13																		

FUNCTIONAL TEST BULLETIN/40600

MAIN GEAR ACTUATOR: P/N'S: 40600-2,-4,-5,-6,-8,-10,-12
 PART# 40600-12
 SERIAL # 14
 W/O# 652483
 DATE: AUG 02 2013

TEST SPECIFICATIONS FROM
 DRAWING 40600 REV. AC
 Dated: 8/10

1. CYCLE ACTUATOR 25 TIMES AT 3000PSI
 NO BINDING/LEAKAGE ALLOWED.
2. CHECK/SET STROKE(6.23+/- .03)
3. CHECK FREE PLAY IN LOCK(.020 MAX)
4. SHUTTLE VALVE OPERATION(65 TO 105 PSI)
5. CHECK SHUTTLE LEAKAGE @ 650PSI 10 DPM MAX(-6,-8,-10,-12)
 @2000PSI 20 DPM MAX(-2,-4,-5)
6. APPLY 4500PSI PROOF PRESSURE
7. CHECK UNLOCK PRESSURE(200 TO 400PSI)
8. SET EXTENDED LENGTH(21.98 +/- .25)
9. SET RETRACTED LENGTH(15.75 +/- .25)
10. SET SWITCH(LOCK/UNLOCK)
11. DRAIN AND CAP ACTUATOR

PASS

6.22

PASS

80 PSI

PASS

PASS

300 PSI

22.00

15.75

PASS

PASS

INSPECTOR/STAMP

AT31

6-778
 551

6-227

6778
 491

6-287

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: C013918	
4. Organization Name and Address: APPH WICHITA INC. 1445 SIERRA DRIVE WICHITA KS 67209 (OU2R070L)						5. Work Order/Contract/Invoice Number: 652483	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	ACTUATOR	40600-12 (114-380041-21)	N/A	1	14	SEE BLOCK 13	
13. Remarks: WORK ORDER 652483 DETAILING WORK PERFORMED IS ATTACHED AND KEPT ON FILE. REBUILT IN ACCORDANCE WITH APPH 40600 REV AC DRAWING DATED AUGUST 2010. "CERTIFIES THAT WORK SPECIFIED IN BLOCKS 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA.145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA ACCEPTANCE CERTIFICATE NUMBER EASA 145.5895."							
14. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 13.				19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature:		21. Approval/Certificate No.:	
						OU2R070L / EASA.145.5895	
17. Name (Typed or Printed):		18. Date:		22. Name (Typed or Printed):		23. Date (MMM/DD/YYYY):	
				JOSHUA BURDEN		Aug. 08, 2013	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

AIRCRAFT PERFORMANCE DATA		
ENVIRONMENTAL CONDITIONS		
IOAT C°		
PRESS ALT		
KIAS		
ENG COND	LEFT	RIGHT
ITT		
TORQUE		
RPM		
N1		
FUEL FLOW		
OIL PRESS		
OIL TEMP		
BLEED ON/OFF		
ICE VANES ON/OFF		

VOR RECEIVER CHECK	
TEST POINT	
TYPE OF CHECK	
NAV 1 TO FROM	NAV 2 TO FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	15-May 19	A/C N	31704
CAPTAIN	otortolero	FLT/SPL#	1205
EMP ID#		FO	
CAPTAINS S			

	AIRFRAME HOURS	AIRFRAME CYCLES
CARRIED FORWARD	40736.7	53578
THIS FLIGHT	14	2
TOTALS	40738.1	53580

MECHANICAL DISCREPANCIES/TASKS			CORRECTIVE ACTION		
#5-5	Flight ☐ Maint ☒	Airport ID: SP+	ATA 015		
R/H MLG O/H DUE (WO:31704150519) RII Required			SA Replaced R/H MLG IAW 1900B MM 32-10-00-201 and 32-60-05-201. Operational checks good. Used Torque wrench 46006 SN:1111111769. Breaks bleed IAW 32-40-00-201. Torque wrench cal due 9/21/2019. RII K. Wiktorszak ADP 3624699 5/15/19		
#5-6	Flight ☐ Maint ☒	Airport ID: SAT	ATA 05		
L/H MLG O/H Due (WO:31704150519) RII Required			Operational Replaced L/H MLG IAW 1900B MM 32-10-00-201 and 32-60-05-201. Operational checks good. Used torque wrench 46006 SN:1111111769 Cal Due 9/21/2019. Breaks bleed IAW 32-40-00-201. RII: Andy ADP 3613706 5/15/19		
#	Flight ☐ Maint ☐	Airport ID:	ATA	SIGN	
			Cert:		
			STA	DATE	
			PCT#		

AIRCRAFT PERFORMANCE DATA		
ENVIRONMENTAL CONDITIONS		
IOAT C°		
PRESS ALT		
KIAS		
ENG COND	LEFT	RIGHT
ITT		
TORQUE		
RPM		
N1		
FUEL FLOW		
OIL PRESS		
OIL TEMP		
BLEED ON/OFF		
ICE VANES ON/OFF		

VOR RECEIVER CHECK	
TEST POINT	
TYPE OF CHECK	
NAV 1 TO	NAV 2 TO
FROM	FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	3 FEB 20	A/C N	31704
CAPTAIN	R. ELER	FLT/SPL#	2188/1829
EMP ID#		FO	
CAPTAINS SIGNATURE		EMP ID#	

	AIRFRAME HOURS	AIRFRAME CYCLES
CARRIED FORWARD	41,015.4	53,920
THIS FLIGHT	.5	1
TOTALS	41,015.9	53,921

MECHANICAL DISCREPANCIES / TASKS			CORRECTIVE ACTION	
# 2-1	Flight ☒ Maint ☐	Airport ID: SAT	ATA 32	
LANDING GEAR WOULD NOT RETRACT. RESET BREAKER & CYCLED GEAR HANDLE - NO EFFECT			Cleared landing gear and wheelwells. Cleared squat switches and position switches. Performed 3 gear swings with no faults noted. Maintenance performed IAW 1900B MM32-30-00. Hydraulic fluid levels good. Accumulator pressure good.	
# 2-2	Flight ☒ Maint ☐	Airport ID: SAT	ATA 22	
AUTOPILOT WOULD NOT ENGAGE.			Replaced Autopilot computer / Turn coordinator using common on practices. Ops check good.	
# 2-3	Flight ☒ Maint ☐	Airport ID: SAT	ATA 77	
RIGHT ITT READING ERRATIC DURING CLIMB. NORMAL DURING CRUISE & DESCENT			Replaced R/H Thermocouple terminal block and ITT indicator as a precaution IAW 1900B MM 77-00-00. Used ITT Tester 41452 SN:1051, Cal Due 7/26/20. Ops check good at this time.	

AIRCRAFT PERFORMANCE DATA		
ENVIRONMENTAL CONDITIONS		
IOAT C°	5	
PRESS ALT	13000	
KIAS	192	
ENG COND	LEFT	RIGHT
ITT	690	730
TORQUE	2100	2100
RPM	1550	1550
N1	95	94
FUEL FLOW	360	400
OIL PRESS	110	125
OIL TEMP	60	60
BLEED ON/OFF	ON	ON
ICE VANES ON/OFF	OFF	OFF

TEST POINT	
TYPE OF CHECK	
NAV 1	NAV 2
TO	TO
FROM	FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	28 APR 20	A/C N	31204
CAPTAIN	KINDAHL	FLT/SPL#	
EMP ID#		FO	
CAPTAINS SIGNATURE		EMP ID#	

	41103.3	54034
	1.3	2
	41104.6	54036

MECHANICAL DISCREPANCIES / TASKS			CORRECTIVE ACTION	
#	Flight ☒ Maint ☐	Airport ID: SAT	ATA 32	
LANDING GEAR FAILED TO RETRACT AFTER TAKEOFF. HANDLE MOVED NORMALLY. ALL GREEN LIGHTS REMAINED ON. HANDLE CYCLED WITH NO EFFECT. HANDLE PUT DOWN AND LANDED.			Cleared and resecured landing gear control handle. Cleared landing gear position switches. Cycled gear several times with no faults. Ops checks good at this time.	
#	Flight ☐ Maint ☐	Airport ID:	ATA	STA 5D + DATE 4/28/2020
			PCT#	SIGN
			Cert:	
			STA	DATE
			PCT#	
#	Flight ☐ Maint ☐	Airport ID:	ATA	SIGN
			Cert:	
			STA	DATE
			PCT#	

AIRCRAFT PERFORMANCE DATA		
ENVIRONMENTAL CONDITIONS		
IOAT C°	+5	
PRESS ALT	13010	
KIAS	199	
ENG COND	LEFT	RIGHT
ITT	700	725
TORQUE	2400	2400
RPM	1550	1550
N1	96	95
FUEL FLOW	350	440
OIL PRESS	110	125
OIL TEMP	60	60
BLEED ON/OFF	ON	ON
ICE VANES ON/OFF	OFF	OFF

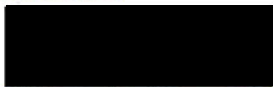
VOR RECEIVER CHECK	
TEST POINT	
TYPE OF CHECK	
NAV 1	NAV 2
TO	TO
FROM	FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	29 APR 20	A/C N	31204
CAPTAIN	KIRBAK	FLT/SPL#	1830
EMP ID#		FO	
CAPTAINS SIGNATURE		EMP ID#	A

411046	54036
1.2	2
41105.6	54038

MECHANICAL DISCREPANCIES / TASKS			CORRECTIVE ACTION		
#4-19	Flight ☐ Maint ☒	Airport ID: SP T	ATA 05	SIGN	PMA 52
Weekly Insp Due			Cert: PMA 52		
(WO: 31704300420)			DATE 4/29/2020		
"I certify that this aircraft/engine has been inspected in accordance with AMF Weekly Inspections"			PCT#		
It has been determined that no known condition exists that would make the aircraft unairworthy, and the aircraft is in condition for safe operation. All Airworthiness Release requirements have been completed in accordance with AMF MOM Section I and Section IV and the aircraft is approved for return to service." C/W WO: 31704300420					
#4-20	Flight ☐ Maint ☒	Airport ID: SP T	ATA 05	SIGN	PMA 52
Pos 1 MLG Drag Brace CNH Due			DATE 4/29/2020		
(WO: 31704300420)			PCT# 0031302		
NII Required.					
Replaced Pos 1 MLG Drag Brace IPW 1900B MM 32-10-00. Performed gear swings. Ops check good.					
NII! Amb A POP 3613706 4/29/2020					
#4-21	Flight ☐ Maint ☒	Airport ID: SP T	ATA 05	SIGN	PMA 52
Pos 2 MLG Drag Brace CNH Due			DATE 4/29/2020		
(WO: 31704300420)			PCT# 0031303		
NII Required.					
Replaced Pos 2 MLG Drag Brace IPW 1900B MM 32-10-00. Performed gear swings. Ops check good.					
NII! Amb A POP 3613706 4/29/2020					

ARC31209-5

AMERIFLIGHT PARTS CONTROL TAG										PCT0031302									
N 31704										 P C T 0 0 3 1 3 0 2									
TAT 4405.8					TAC54038					DATE 4/29/2020					ATA 3212-00				
POSITION	ONLY	1	2	3	4	L	R	NOSE	FWD	AFT	UPR	LWR							
DESCRIPTION					PART CONDITION					PART TYPE									
MAIN GEAR DRAG BRACE					OH					1900C ROTABLES									
P/N 114-810023-1					S/N ARC31209-5														
VENDOR NAME & NUMBER					VENDOR W/O					CERT DATE					AMF P.O./R.O				
AMF ACCESSORY SHOP 12345					R110012					02/14/20					R110012				
RECEIVING INSPECTOR					DATE RCVD					BASE					LOCATION				
Insp# DDOMINGUEZ					02/14/20					BUR					BUR-T4-R1				
 P N - 1 1 4 - 8 1 0 0 2 3 - 1																			
 S N - A R C 3 1 2 0 9 - 5																			
CONDITION	NEW	OH	REF	RBLT	INSP	MOD		TEST	CONT	TIME	CANNED								
Maint Code		Ops		-----HOURS-----		-----CYCLES-----		-----DAYS-----		-----MONTHS-----									
1900 L/G OVH		NA		Reqd Since Remain		10000 0.0 10000.0 NA		Reqd Since Remain		60 02/14/20		60							
PM 2 RI																			
PART REMOVED					114-810023-1					ARC-1101									
SCHEDULED					FAILURE					TROUBLESHOOTING					ROBBED				
PRINTED NAME					SIGNATURE					BASE									
LEO QUAN										SAT									


AMERIFLIGHT

 4700 Empire Ave, Hangar 1, Burbank, CA 91505
 F.A.A. Approved Repair Station JIKR213F

WO#26450

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Work Order 26450

Part No: 114-810023-1

Description: MAIN GEAR DRAG BRACE

Discrepancy: DUE FOR OVER HAUL

R0: R110012

S/N: ARC31209-5

Opened By: jcahayon

Date: 2/6/2020

Shop: Accessories

LLC: Yes

TSN: N/A

TSO: 0.0

CSN: N/A

CSO: 0.0

Tail #: N31703

#	Desc Of Work	Corrective Action	Hrs	Tech	INSP
0	Preliminary Inspection	<i>CL NO DISCREPANCY</i>	<i>0.0</i>		
0.5	Hidden Damage Inspection (if required)	<i>N/A</i>	<i>N/A</i>		
1.0	RECEIVING INSPECTION REQUIRES.	NO OTHER DEFECT FOUND.	<i>.25</i>	<i>JM</i>	
2.0	DISASSEMBLE.	DISASSEMBLED AND DISCARDED ALL REPLACEMENT PARTS.	<i>.5</i>	<i>JM</i>	
3.0	CLEAN AND DEPAINT AS NECESSARY.	CLEANED ☒ DEPAINTED YES ☒ NO ☐	<i>1.0</i>	<i>Jm</i>	
4.0	VISUAL INSPECTION AND MEASURING INSPECTION ARE REQUIRED.	1.VISUAL INSPECTION AND MEASURING INSPECTION IS COMPLETED. 2.FOUND BOLTS,NUTS,BUSHINGS AND FITTINGS WORN OUT. 3.SEE ATTACHED MEASURING INSPECTION.	<i>1.0</i>	<i>Jm</i>	
5.0	REPAIR.	REPLACED DISCARDED PARTS WITH NEW	<i>.5</i>	<i>Jm</i>	
6.0	PAINT	PREPARED FOR PAINT.PAINTED AT PAINT SHOP	<i>.5</i>	<i>Jm</i>	

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7.0	ASSEMBLE AND CHECK OVERCENTER.	ASSEMBLED AND CHECKED OVERCENTER DIMENSIONS.	3.0	Jm	
8.0	FINAL VISUAL INSPECTION.	CHECK ALL PARTS WAS INSTALLED PROPERLY AND CHECKED SECURE.	25	A	
9.0	THE WORK SPECIFIED HAS BEEN ACCOMPLISHED I/A/W HAWKER BEECHCRAFT MODEL 1900 AIRLINER SERIES COMPONENT MAINTENANCE MANUAL P/N: 114-590021-11 B19 CHAPTER 32-10-00, LATEST REVISION.			Jm	

MAINTENANCE RELEASE

The article identified above has been repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Work Order Completed: Final Sign-Off

Date

Total hrs

2-14-20

7.0

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 26450	
4. Organization Name and Address: AMERIFLIGHT 4700 Empire Ave, Hangar 1, Burbank, CA 91505				5. Work Order/Contract/Invoice Number: R110012 CRS#JIKR213F		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MAIN GEAR DRAG BRACE	114-810023-1	1	ARC31209-5	OVERHAULED	
12. Remarks: THE WORK SPECIFIED ON BLOCK 11 HAS BEEN ACCOMPLISHED I/A/W MODEL 1900 AIRLINER SERIES COMPONENT MAINTENANCE MANUAL P/N:114-590021-11 REVISION B19 CHAPTER 32-10-00, LATEST REVISION.						
Limited life part must be accompanied by Maintenance history - N/A if not applicable: TSN:N/A TSO:0.0 CSN:N/A CSO:0						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: JIKR213F		
				14d. Name (Typed or Printed): Kevin Park		
				14e. Date (dd/mm/yyyy): 14/Feb/2020		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.						
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

ENVIRONMENTAL CONDITIONS		
IOAT C°	+15.00	
PRESS ALT	210	
KIAS		
ENG COND	LEFT	RIGHT
ITT	700	730
TORQUE	2400	2400
RPM	1550	1550
N1	92	95
FUEL FLOW	330	420
OIL PRESS	110	125
OIL TEMP	60	60
BLEED ON/OFF	ON	ON
ICE VANES ON/OFF	OFF	OFF

VOR RECEIVER CHECK	
TEST POINT	
TYPE OF CHECK	
NAV 1 TO FROM	NAV 2 TO FROM
DIFFERENCE	
SIGNATURE AND DATE	

DATE	5-5-20	A/C N	31704
CAPTAIN	KINBACK	FLT/SPL#	1830
EMP ID#	[REDACTED]	FO	A
CAPTAINS SIGNATURE		[REDACTED]	

41105.6	54038
1.3	2
41107.1	54040

MECHANICAL DISCREPANCIES / TASKS			CORRECTIVE ACTION	
# 5-6	Flight ☒ Maint ☐	Airport ID: CRP	ATA 32	[REDACTED]
LANDING GEAR (WALL) NOT RETRACT. HANDLE CYCLED, NO EFFECT NO RED LIGHT IN HANDLE, ALL GREEN LIGHT REMAINED ON. REPEAT WRITE UP			JACKED ALL RETRACTED & EXTENDED GEAR 5 TIMES NO DEFECTS FOUND AT THIS TIME ALL WORK DONE TAN 1900 MAINT MANUAL 32-30-00-2 REUDO	
# 5-7	Flight ☒ Maint ☐	Airport ID: SAT	ATA 34	[REDACTED]
WEATHER RADAR INOPERATIVE			Found cannon plug loose. Reinstalled Cannon plug IAW Cannon Procedures. Ops check goods	
# 5-8	Flight ☐ Maint ☒	Airport ID: SAT	ATA 32	[REDACTED]
Remove ^{OP} Replaced Landing Gear handle due to Intermittent Ops.			Remove and Replaced Landing Gear handle IAW Beechnut WM 1900 32-31-02-01. Ops check Goods. No further fault noted.	
			STA	DATE
			SAT	5/5/2020
			PCT#	0025019