

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 29437-1		
4. Organization Name and Address: COLUMBIA AIRCRAFT SERVICES, INC [REDACTED] BLOOMSBURG, PA 17815					5. Work Order/Contract/Invoice Number: 29437		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:		
1	LYCOMING ENGINE ASSY	IO-360-A1B6D	1	L-19008-51A	OVERHAULED		
12. Remarks: THE ITEM IDENTIFIED ABOVE HAS BEEN OVERHAULED AND RETURNED TO SERVICE IN REFERENCE TO LYCOMING OVERHAUL MANUAL 60294-7-14, 7/2011. DETAILS OF THE OVERHAUL ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 29437							
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: [REDACTED]		14c. Approval/Certificate No.: JM2R930K	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): DOUGLAS C HALYE		14e. Date (dd/mm/yyyy): 5/Aug/2022	
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.							

Columbia Aircraft Services Inc.
Log of Aircraft Engine Test



Date 8/5/2022

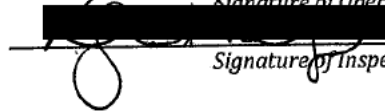
Type of Test BLOCK

Owner: STEVE SHORT

Model	IO-360-A1B6D	Fuel Pump P/N	AF-15473	Mag Model	D4LN-3000	F.M. P/N	2524232-2
Serial No.	L-19008-51	Fuel Pump S/N	OWVG17	LH Mag S/N	8409132	F.M. S/N	73F
W.O. No.	29437	Starter P/N	SLAVE	Mag Model	N/A	Timing	25 °BTC
HP/RPM	200/2700	Starter S/N	N/A	RH MAG S/N	N/A	Spark Plugs	UREM40E
Fuel Octane	100LL	Carb P/N	N/A	Fuel Inj P/N	2524054-11		
Oil Spec	100	Carb S/N	N/A	Fuel Inj S/N	70251701		

Time Minutes	RPM	Manifold		Oil*		Nozzle		Cylinder Temp*					
		Press	Oil Press	Temp	Fuel Press	Press	Fuel Flow	1	2	3	4	5	6
10	1200	N/A	73	108	28	N/A	N/A	N/A	N/A	261	N/A	N/A	N/A
10	1500		73	140	28					283			
10	1800		75	178	27					305			
20	2000		80	186	26.5					306			
10	2400		81	189	26					329			

Both Mags RPM	1800 RPM
LH Drop	105 RPM
RH Drop	65 RPM
Fuel Cut Off	OK
Test Operator	STEPHEN KRICK II
*Temps in Fahrenheit	


Signature of Operator

Signature of Inspector

Columbia Aircraft Services, Inc.
Bloombsburg Municipal Airport

Bloombsburg, PA 17815

4671. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: CSI-34048	
6114. Organization Name and Address: CRANKCASE SERVICES, INC. [REDACTED] SAND SPRINGS, OK. 74063 H1HR0960					5. Work Order/Contract/Invoice Number: 34048	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	LYC.IO-360 crankcase	C/N 72082/1	1 EA.	M/N 833		
12. Remarks: THE PART IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CRANKCASE SERVICES, INC.'S F.A.A. APPROVED MANUAL CSI-2001 DATED DEC. 30, 1997, REPAIR DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. 34048						
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:		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Type or Print) HAROLD HARRIS		14e. Date (dd/mm/yyyy): 31/Jan/2022	
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.						

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 57001001	
4. Organization Name and Address: Avstar Fuel Systems, Inc. [REDACTED] Jupiter Florida 33458 Repair Station No.VIRR580Y					5. Work Order/Contract/Invoice Number: 57001001	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	RSA-5AD1 SERVO FUEL INJECTOR	2524054-11	1ea	70251701	OVERHAULED	
12. Remarks: Overhauled in accordance with FAA approved data from the manufacturer's Component Maintenance Manual (Precision Airmotive Component Maintenance Manual for Model RSA-5AD1 Servo Fuel Injectors, Form No. 15-381G, Rev 1, dated 01/Jun/1992). Pertinent details of the overhaul are on file at this repair station under the work order referenced in block 5. SEE ATTACHED FORM No.: AFS900-F6						
13a. Certifies the item 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 13:			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:		14c. Approval/Certificate No:
[REDACTED]		[REDACTED]		[REDACTED]		VIRR580Y
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
[REDACTED]		[REDACTED]		MARK HEERMANCE		15/Jul/2022
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.						

	BENDIX RSA-5AD1 COMPLIANCE REPORT	DOC: AFS900-F6	REV: 4	July 14, 2022
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For Used with PAM CMM 15-381G Rev. 1, 01/Jun/1992

AVStar Fuel Systems, Inc.
FAA Repair Station V1RR580Y

AD, SB, or SIL Number	Complied	Method of Compliance	Recurring
AD 78-23-10	7/15/2022	Change Center Body Bellows Seal	Overhaul
AD 79-04-05	"	Diaphragm Inspection	Overhaul
SB RS-85	"	Constant Effort/Head Spring and Shims Used	Overhaul
AD 83-22-04	"	New Fuel Diaphragm	Overhaul
AD 77-25-05	"	Pressure Sensitivity Check, Enstrom F28C and 280C	Overhaul
AD 2009-02-03, SIL RS 87 Rev. 1, SB 107 Rev. 4	"	N/A by P/N, Installed 2577258 or AV2577258 Gasket	Overhaul
AD 2011-15-10, and AD 2012-03-06, AFS-SB6	"	N/A by Serial Number (Ref. AFS-SB6) of Diaphragm Assembly	No
SB PRS-110, Rev 2	"	N/A by P/N, Installed AV367757 Thrust Washer	Overhaul
SIL RS-103	"	Config. And Service Limits per Service Letter	Overhaul
SIL RS-104	"	Config. And Service Limits per Service Letter	Overhaul
FAA Approved Repair Procedures/Specifications	Description		Circle Applicable
AV-003 (Oct 10, 2003)	The helicoil repair of tapped holes in Marvel Schebler type carburetor and Bendix type fuel servo castings		Yes / ☒ No
AV-004 (Oct 10, 2003)	Repairs to improve the fit between bearing holes in control levers and their associated pins as used on Bendix RSA-5 and RSA-10 type fuel servos.		Yes / ☒ No

Work Order No. 57001001

Technician's Signature: 

**BENDIX RSA-5AD1
COMPLIANCE REPORT****DOC: AFS900-F6****REV: 4****July 14, 2022****For Used with PAM CMM 15-381G Rev. 1, 01/Jun/1992****AVStar Fuel Systems, Inc.
FAA Repair Station V1RR580Y**

AD, SB, or SIL Number	Complied	Method of Compliance	Recurring
PRS SB 99, Rev 1	7/15/2022	Use Only FAA/PMA Approved Replacement Parts	Overhaul
PRS SB 107, Rev 4	"	G-Plug Installed with Gasket	Overhaul
SIL RS-87, Rev 1	"	G-Plug Installed with Gasket	Overhaul
PRS SB 108	"	Only Acceptable Cleaning Fluids Used	Overhaul
SIL RS-100	"	Stem and Seal Installed per SIL	Overhaul
SIL RS-44 Rev 1	Yes / No	2575624-2 Config. And Service Limits	Overhaul
SIL RS-48 Rev 1	Yes / No	2576536-2 Config. And Service Limits	Overhaul
SIL RS-50 Rev 1	Yes / No	2576544-3 Config. And Service Limits	Overhaul
SIL RS-51	Yes / No	2576558-1 Config. And Service Limits	Overhaul
SIL RS-52	Yes / No	2576568-1 Config. And Service Limits	Overhaul
SIL RS-65 Rev 1	Yes / No	2576592-2 Config. And Service Limits	Overhaul
SIL RS-70	Yes / No	2576608-1 Config. And Service Limits	Overhaul
SIL RS-72	Yes / No	2576586-1 Config. And Service Limits	Overhaul
SIL RS-75 Rev 1	Yes / No	2524450-9 Config. And Service Limits	Overhaul
SIL RS-95	Yes / No	2524242-10, 2524307-10, 2524335-10, 2524145-12, 2524328-10 Lower Idle Valve Updated	Overhaul
SIL RS-103	Yes / No	2576644-1 Config. And Service Limits	Overhaul

Work Order No. 57001001**Technician's Signature:** 

AVStar Fuel Systems, Inc.
FAA Repair Station V1RR580Y

AD or SB Number	Complied		Method of Compliance	Recurring
AD 75-09-15	7/15/2022		Replace Flow Divider Gasket	Overhaul

Work Order No. 57001002

Authorized Signature: 

CSI NO. <u>34048</u>	DATE RECEIVED <u>6-28-21</u>
CUSTOMER <u>CAP</u>	P.O. NO. _____
MODEL <u>0-360</u> C/N <u>72082/1</u>	CASE MFR. <u>LYC</u>
S/N <u>L-21125-36A</u>	MATCH NO. <u>853</u>
PREVIOUS REPAIR NO's _____	
CUSTOMER ORDERS AND DISCREPANCIES _____	

ITEM	TASK	DATE	INITIAL
1	PRELIMINARY, CLEAN, INSP AND PREP (includes removal of LYC anchored thru bolts)	7-5-21	
2	DYE PENETRANT INSPECTION	7-8-21	
3	RECORD DECK HEIGHT L <u>500</u> R <u>500</u>	7-15-21	
4	MEDIA BLAST	7-22-21	
5	ZYGLO PENETRANT INSPECTION (Hidden Damage) Mark Discrepancies (Go to step 9 if weld not required)	8-2-21	
6	PREP FOR WELD AND WELD (Note weld areas in description of repairs)	8-2-21	
7	MACHINE MATING SURFACES FINISH DECK HEIGHT LH <u>.448</u> RH <u>.492</u>	8-2-21	
8	INSPECT <u>15904</u>	8-16-21	
9	DEBURR AND TORQUE CRANKCASE HALVES TOGETHER (Mfg. torque specs.)	11-15-21	
10	MACHINE INTERNAL BORES TO MFR'S LIMIT	11-15-21	
11	CAM BORE DIMENSION Std. <u>1.030</u> Plus <u>.02</u> (Reamer no. <u>10</u>)	1/27/22	
12	PROPELLER SHAFT BORE DIMENSIONS _____ REDUCTION GEAR BORE DIMENSIONS _____	<u>NA</u>	
13	MAIN BORES <u>1.25670 2.25670 3.26875 4.26875 5</u>	11-15-21	
14			
15	RELOCATE ACCESSORY DRIVE BOSSES <u>1000</u>	1/22/22	
16	CORRECT GEAR LASHES LH <u>.007</u> RH <u>.008</u> GOV. <u>NA</u>	1/27/22	
17	REMOVE EXCESS WELD MATERIAL AND DEBURR	11-16-21	
18	ALODINE	1/27/22	
19	FINAL INSPECT	1/27/22	

DESCRIPTION OF REPAIRS	MACHINE MATING SURFACES AND RESIZE BORES TO FACTORY LIMITS

MAINT. REL. / 8130-3 ISSUED BY: <u>[Signature]</u>	DATE: <u>1-27-22</u>
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CSI Form 002 Rev 3 02/2018

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 57001002	
4. Organization Name and Address: Avstar Fuel Systems, Inc. [REDACTED] Jupiter Florida 33458 Repair Station No. V1RR580Y				5. Work Order/Contract/Invoice Number: 57001002		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FLOW DIVIDER	2524232-2	1ea	73F	OVERHAULED	
12. Remarks: Overhauled in accordance with FAA approved data from the manufacturer's Component Maintenance Manual (Precision Airmotive Overhaul Manual, Flow Dividers used with RS/RSA Injectors, Form No. 15-540H, dated 16/Jun/2018). Pertinent details of the overhaul are on file at this repair station under the work order referenced in block 5. SEE ATTACHED FORM No.: AFS900-F9						
13a. Certifies the item 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 13			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: [REDACTED]		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No: V1RR580Y		
				14d. Name (Typed or Printed): MARK HEERMANCE		
				14e. Date (dd/mm/yyyy): 15/Jul/2022		
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.						

SERVICEABLE

Mfg. Name _____
Component Name _____
Model _____
Serial _____

The aircraft component identified above was repaired in accordance with current Federal Aviation Administration approved for return to service. Pertinent details of the repair are on file at this agency under work order shown below.

Work Order No. _____
Date _____
Signed _____

FAA Form 101-2 (Rev. 11-73)
NO. 101-2H713K

REPAIRABLE

Mfg. Name _____
Component Name _____
Model _____

Work Order No. _____
Date _____
Signed _____

The aircraft component identified above was repaired in accordance with current Federal Aviation Administration approved for return to service. Pertinent details of the repair are on file at this agency under work order shown below.

Work Order No. _____
Date _____
Signed _____

Work Order No. _____
Date _____
Signed _____

Work Order No. _____
Date _____
Signed _____

Work Order No. _____
Date _____
Signed _____

SERVICEABLE TAG

PART NO.

10-68255-11

SERIAL NO.

2469132

QUANTITY

1 EA

MFG'S NAME

Boeing

DYLA-3000

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Administration Regulations and was found satisfactory for return to service.

Pertinent details of the repair are on file at this agency under work order No. 27437 Date 7-28-73 Signed [Signature] for Columbia Aircraft Services, Inc.

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: H-W032034	
4. Organization Name and Address: HARTZELL ENGINE TECHNOLOGIES, [REDACTED] MONTGOMERY, AL 36108 PQ1383CE-D				5. Work Order/Contract/Invoice Number: M357840		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	STARTER **** END ****	149NL	1	H-W032034	NEW	
12. Remarks: AIRWORTHINESS APPROVAL- PARTS.FOR PMA ELIGIBILITY SEE WWW.HARTZELL.AERO/PMA/						
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: [REDACTED]		13c. Approval/Authorization No.: ODA-100082-CE		14b. Authorized Signature:		
13d. Name (Typed or Printed): Daniel W Paul		13e. Date (dd/mm/yyyy): 22-Mar-2022		14c. Approval/Certificate No:		
				14d. Name (Typed or Printed):		
				14e. Date (dd/mm/yyyy):		
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 Block 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.						

NSN: 0052-00-012-9005

Model:



AF-15473

Serial No:



0WVG17

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1935832-2	
4. Organization Name and Address: Kelly Aero, [REDACTED] Montgomery, AL 36116 (9KJR356C)				5. Work Order/Contract/Invoice Number: 1935832	
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	HARNESS ASSY	10-821414-6	1	N/A	OVERHAULED
12. Remarks: Item 1. Date Code: 1622 OVERHAULED IN ACCORDANCE WITH CONTINENTAL MOTORS INC. X41005, X430012, DATED DEC 2017. SERVICE BULLETINS AND AD NOTES COMPLIED WITH: SB635. FULL DETAILS OF WORK CARRIED OUT PER WORK ORDER NO. 1935832 CERTIFIES THAT THE WORK IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH TITLE 14, CODE OF FEDERAL REGULATIONS, PART 43 AND WITH EASA PART 145. WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.6588 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER 9KJR356C.					
[REDACTED]			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		
			14b. Authorized Signature: [REDACTED]	14c. Approval/Certificate No.: 9KJR356C	
			14d. Name (Typed or Printed): Austin T. Kennedy	14e. Date (dd/mm/yyyy): 07 JUL 2022	
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 authority accepts parts/components/assemblies 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.					

FAA Airworthiness Directives Compliance Record

Company:
Category: Engine
Manufacturer: Lycoming Engines
Model: IO-360-A1B6D

Position:
P/N: IO-360-A1B6D
S/N: L-19008-51A

Aircraft Registration No:
ATP Revision: 5/17/2022

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2017-16-11 8/15/2017	To prevent connecting rod failure which could result in uncontained engine failure, total engine power loss, contd.	7/29/2022 Hrs: -- C: --	N/A, IAW SB632B	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2015-19-07 11/3/2015	[Recurring] To prevent failure of the fuel injector fuel lines, which could lead to uncontrolled engine fire, engine, contd.	7/29/2022 Hrs: -- C: --	C/W IAW SB 342G @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2015-02-07 3/11/2015	To prevent the propeller governor shaft set screw from coming loose, causing damage to the engine and, contd.	7/29/2022 Hrs: -- C: --	N/A Rear Governor	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2012-19-01 10/24/2012	To prevent failure of the crankshaft, which will result in total engine power loss, in-flight engine, contd.	7/29/2022 Hrs: -- C: --	N/A by Serial Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2012-03-06 C 2/24/2012	To prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane	7/29/2022 Hrs: -- C: --	N/A Diaphragm From not affected Lot	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2011-26-04 1/25/2012	[Recurring] Superseded by 2015-19-07	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2011-15-10 8/16/2011	Superseded by 2012-03-06	7/29/2022 Hrs: -- C: --	Superseded	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2009-02-03 2/9/2009	[Recurring] To prevent a lean running engine, which could result in a substantial loss of engine power and subsequent,contd.	7/29/2022 Hrs: -- C: --	NA by P/N.	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2008-14-07 8/14/2008	[Recurring] Superseded by 2011-26-04	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2008-08-14 4/29/2008	[Recurring] Superseded by 2009-02-03	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2008-06-51 E 3/12/2008	[Recurring] Superseded by 2008-08-14	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2006-20-09 11/3/2006	Superseded by 2012-19-01	7/29/2022 Hrs: -- C: --	Superseded	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2006-06-16 4/27/2006	To prevent failure of the crankshaft, which could result in total engine power loss, in-flight engine,contd.	7/29/2022 Hrs: -- C: --	N/A by Serial Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2005-19-11 10/21/2005	To prevent failure of the crankshaft, which could result in total engine power loss, in-flight failure, and,contd.	7/29/2022 Hrs: -- C: --	N/A by Serial Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2004-10-14 C 6/25/2004	[Recurring] To prevent loosening or failure of the crankshaft gear retaining bolt, which may cause sudden engine failure	7/29/2022 Hrs: -- C: --	C/W IAW SB 475C @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2003-14-03 8/14/2003	[Recurring] To prevent rotary fuel pump leaks, which could result in an engine failure, engine fire, and damage to or,contd.	7/29/2022 Hrs: -- C: --	N/A by Model of Pump	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
2002-26-01 1/31/2003	[Recurring] Superseded by 2008-14-07	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
2002-12-07 7/3/2002	[Recurring] To prevent complete loss of engine oil and subsequent seizing of the engine and possibility of fire,contd.	7/29/2022 Hrs: -- C: --	C/W IAW MSB 543A @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	Yes	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
2000-18-53 E 9/5/2000	[Recurring] Superseded by 2002-12-07	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
98-17-11 C 10/19/1998	TO PREVENT CRANKSHAFT FAILURE DUE TO CRACKING, WHICH COULD RESULT IN AN INFLIGHT ENGINE FAILURE AND POSSIBLE,CONTD.	7/29/2022 Hrs: -- C: --	N/A No Nelson Balancing	No	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
98-18-12 9/28/1998	[Recurring] Superseded by 2003-14-03	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
98-02-08 3/30/1998	[Recurring] TO PREVENT CRANKSHAFT FAILURE, WHICH CAN RESULT IN ENGINE FAILURE, PROPELLER SEPARATION, FORCED LANDING, AND,CONTD.	7/29/2022 Hrs: -- C: --	N/A Constant Speed	Yes	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
97-15-11 8/12/1997	TO PREVENT PISTON PIN FAILURE, WHICH COULD RESULT IN ENGINE FAILURE	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye
97-01-03 1/21/1997	Superseded by 97-15-11	7/29/2022 Hrs: -- C: --	Superseded	No	D: -- Hrs: -- C: --	Columbia Aircraft JM2R930K/FAA Douglas C Halye

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
96-23-03 12/17/1996	TO PREVENT AN INFLIGHT ENGINE FAILURE DUE TO FUEL STARVATION, WHICH COULD RESULT IN A FORCED LANDING	7/29/2022 Hrs: -- C: --	N/A by Manufacturer	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
96-09-10 C 7/15/1996	TO PREVENT OIL PUMP FAILURE DUE TO IMPELLER FAILURE, WHICH COULD RESULT IN AN ENGINE FAILURE	7/29/2022 Hrs: -- C: --	C/W by Inspection @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
95-26-02 1/24/1996	TO PREVENT DETONATION DUE TO LOW OCTANE, WHICH CAN RESULT IN SEVERE ENGINE DAMAGE AND SUBSEQUENT FAILURE	7/29/2022 Hrs: -- C: --	N/A by N#	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
95-07-01 4/12/1995	TO PREVENT ENGINE FAILURE DUE TO CONNECTING ROD BOLT FAILURE, WHICH COULD RESULT IN DAMAGE TO OR LOSS, CONTD.	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
94-14-13 L 6/23/1994	Superseded by 95-26-02	7/29/2022 Hrs: -- C: --	Superseded	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
93-14-15 8/23/1993	TO PREVENT POSSIBLE PREMATURE ENGINE FAILURE	7/29/2022 Hrs: -- C: --	N/A by STC #	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
93-02-05 6/14/1993	[Recurring] Superseded by 2002-26-01	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
92-12-05 7/10/1992	TO PREVENT PISTON PIN FAILURE, OR PISTON RELEASE, AND ENGINE FAILURE	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
91-14-22 8/19/1991	[Recurring] Superseded by 2004-10-14	7/29/2022 Hrs: -- C: --	Superseded	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
90-04-06 R1 5/28/1991	TO PREVENT OIL LINE FRACTURE AND LOSS OF ENGINE OIL	7/29/2022 Hrs: -- C: --	PCW Verified by Inspection @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
81-18-04 R2 6/7/1982	Superseded by 96-09-10	7/29/2022 Hrs: -- C: --	Superseded	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
79-04-05 9/26/1979	TO PREVENT AN IN-FLIGHT POWER LOSS DUE TO THE SEPARATION OF THE P/N 2529192 REGULATOR DIAPHRAGM STEM ASSEMBLY	7/29/2022 Hrs: -- C: --	N/A by Part List Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
78-23-10 11/7/1978	TO PREVENT AN IN-FLIGHT POWER LOSS DUE TO AN OVER RICH CONDITION, CONTD.	7/29/2022 Hrs: -- C: --	N/A by Parts List Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
75-08-09 R(3) 8/18/1977	TO PREVENT OIL PUMP FAILURES, INSPECT, REPLACE AND ASSEMBLE THE OIL PUMP DRIVE SHAFT AND DRIVE IMPELLER	7/29/2022 Hrs: -- C: --	N/A Verified by Inspection @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
73-23-01 R(4) 1/13/1977	TO PREVENT PISTON PIN FAILURES RESULTING FROM GRINDING CRACKS WHICH OCCURRED DURING MANUFACTURE	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
75-09-15 4/30/1975	TO PREVENT POSSIBLE FUEL STARVATION TO THE ENGINE	7/29/2022 Hrs: -- C: --	N/A by Parts List Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
71-05-02 R(4) 2/13/1973	[Recurring] TO PREVENT SHIFTING AND POSSIBLE FAILURES OF THE CRANKCASE MAIN BEARINGS	5/17/2022 Hrs: -- C: --	PCW Verified By Inspection @ Overhaul Columbia Aircraft Services, Inc W.O. 29437 7-29-22	Yes	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye
71-11-02 3/14/1972	TO PREVENT VALVE FAILURES REPLACE THE INTAKE AND EXHAUST HYDRAULIC TAPPET PLUNGER ASSEMBLY P/N 76290, CONTD.	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
66-20-04 8/27/1966	TO PREVENT FURTHER FAILURES OF OIL FILTER ADAPTER GASKET, P/N 74904	7/29/2022 Hrs: -- C: --	N/A by Part Number	No	D: -- Hrs: -- C: --	Columbia Aircraft Services, Inc JM2R930K/FAA Repair Station Douglas C Halye 

CAS Engine Build Sheet

Pg. 1 / 2

Customer:	STEVE SHORT	W/O #:	29437
Mechanic:	KLG	Date:	8/5/2022
Engine M/N:	IO-360-A1B6D	Overhaul	X
Engine S/N:	L.19008-51A	Iran	

ORDERED	RECEIVED	QTY.	PART #	Description	Addl. Comments	Vendor
X	X	1	IO-360	CRANKCASE [DUEL MAG]	[REMAN]	COLORADO AIRPARTS
X	X	2	SL13884A M03	BEARING MAIN		A/P HARRISBURG
X	X	4	SL11020 M03	BEARING MAIN		CAS
X	X	8	15B26588	BODY HYD		CAS
X	X	1	LW-18840	CAMSHAFT		CAS
X	X	1	77808	ADJUST PRESSURE RELIEF	[UP GRADE]	A/P HARRISBURG
X	X	1	61084	SPRING PRESSURE RELIEF		A/P HARRISBURG
X	X	1	1028-B	BALL PRESSURE ADJUST		A/P HARRISBURG
X	X	4	73810	BUSHING C/S		CAS
X	X	2	72801	COUNTERWEIGHT	[REMAN]	RICK ROMANS
X	X	2	14W21696	ROLLER C/W		A/P HARRISBURG
X	X	2	72797	ROLLER C/W		A/P HARRISBURG
X	X	8	71907	WASHER C/W		A/P HARRISBURG
X	X	8	LW-14820	RING C/W		A/P HARRISBURG
X	X	1	13S19649	GEAR C/S		A/P HARRISBURG
X	X	1	AN8-14A	BOLT C/S		A/P HARRISBURG
X	X	1	76121	TACHSHAFT		A/P HARRISBURG
X	X	1	SL53E19600	VALVE TEMP CONTROL		A/P HARRISBURG
X	X	1	06B23072	GASKET OIL FILTER ADPT		A/P HARRISBURG
X	X	1	AA48108-2	OIL FILTER		CAS
X	X	3	MS29512-10	O RING		A/P HARRISBURG
X	X	8	LW-12596	BOLT ROD		A/P HARRISBURG
X	X	8	LW-12186	NUT ROD		A/P HARRISBURG
X	X	8	SL13212A	BEARING ROD		A/P HARRISBURG
X	X	4	SL13444-1	PIN PISTON		CAS
X	X	4	SL3601-SC	RING SET		CAS
X	X	1	LW-10342	BODY OIL PUMP		A/P HARRISBURG
X	X	16	15H21201	SPRING SHROUD TUBE		A/P HARRISBURG
X	X	32	STD-1925	SCREW ROCKER		CAS
X	X	4	STD-2180	HOSE DRAIN BACK		A/P HARRISBURG

Columbia Aircraft Services, Inc.
Bloomsburg Municipal Airport
[REDACTED]
Bloomsburg, PA 17815

Repair Station No. JM2R930K

May 2022

Pg. 2/2

W/O #:

Columbia Aircraft Services, Inc.
Bloomsburg Municipal Airport
[REDACTED]
Bloomsburg, PA 17815

CAS Mag Part Order Worksheet

Customer:	STEVE SHORT	W/O #:	29437
Mechanic:	LEVI T	Date:	7-27-2022

MAGNETO #1

Make: BENDIX		M/N: D4LN-3000		P/N: 10-682555-11		S/N:		8409132
OVERHAUL		500HR INSP.			INSPECTED AND RETURN		OTHER	
DATE ORDERED	DATE RECEIVED	QTY.	PART #	DESCRIPTION	ADDL. COMMENTS		VENDOR	
X	X	1	10-682054	BLOCK				
X	X	2	10-382790-1	COIL				
X	X	2	ES10-682014	GEAR				
X	X	2	10-400574	CAPACITOR				
X	X	2	10-382585	CONTACT				
X	X	1	10-400009	ID-TAG				
X	X	1	CAS-3000	100% KIT				

MAGNETO #2

Make:		M/N:		P/N:		S/N:		
OVERHAUL		500HR INSP.			INSPECTED AND RETURN		OTHER	
DATE ORDERED	DATE RECEIVED	QTY.	PART #	DESCRIPTION	ADDL. COMMENTS		VENDOR	

CAS Cylinder Part Order Worksheet

Customer: _____

Mechanic: ROB EDDY CAS STOCK S/N 1-2-3-4

Model: LYCOMING

[illegible]

Columbia Aircraft Services, Inc.
Bloomsburg Municipal Airport
[REDACTED]
Bloomsburg, PA 17815

Repair Station No. JM2R930K

Revision 1 1/04/2022

CAS Engine Inspection Form

pg 1/2

Customer: Steve Short

W/O #: 29437

Mechanic: [REDACTED]

Date: 7-29-22

Engine M/N: 10-360-A1B6D

Overhaul X

Engine S/N: L-19008-51A

IRAN

	P/N	S/N	NEW	Refer to CAS Check List Form	Add Comments:
RT Magneto	10-682555-11	8409132		✓	Dual Mag.
LT Magneto					
Starter	149 NL	H-W032034	✓		
Carburetor/Fuel Injector	2524054-N	70251701			ANStar (Overhaul)
Fuel Pump	AF15473	6 WVG17	✓		
Alternator/Generator	N/A	N/A			
Hydraulic Pump	N/A	N/A			

Crankcase Inspection:

Zyglo Inspection: OK ☐ Fail ☒

Studs

Main Bearing Saddles

Cam Bearings

Remarks: C.S.I Exchange w/034048

Part # (CN 72082/1)

Crankshaft Inspection:

P/N: LW-12375 S/N: 116135

Main Bearing Journals 2.372 M03

Rod Bearing Journals 2.125 STD

Counterweight Bla N/A ☐ Rebush ☒

Flange Runout .003

Counterweights: 72801 Rick Roman's 1/2 56699 56548

Remarks:

CAM Follower 15B26588 New ☒ Regrind ☐

Hydraulic Unit 78290 New ☐ Serviceable ☒

Remarks:

Camshaft LW-18840 New ☒ Regrind ☐

Cam Bearing Journals ✓

Cam Lobes

Remarks:

Oil Pump

Shaft OK

Drive Impeller OK

Idler Impeller OK

Housing LW-10342 New

Remarks:

Crankshaft Gear

Gear 13519649 New ☒ Serviceable ☐

REMARKS:

Accessory Housing

Zyglo Inspection OK ☒ Fail ☐

Remarks:

Oil Sump Inspection

Zyglo Inspection OK ☒ Fail ☐

Remarks:

Magneto Drive

Gear OK

Remarks:

Columbia Aircraft Services, Inc
Bloomsburg Municipal Airport

Bloomsburg, PA 17815

Repair Station No. JM2R930K

May 2022

CAS Engine NDI Inspection Form

pg 1/1

Customer: STEVE SHORTW/O #: 29437Mechanic: KARLE GRASHDate: 6-27-22Engine M/N: LYC F-360-A1B6D

Overhaul

Engine S/N: L-19608-51AIRAN ☒

Crankcase Zyglo Inspection	OK ☒	Fail ☐	Crankshaft Magnaflux Inspection	OK ☒	Measurement	Fail ☐
Studs	☒	☐	Main Journals	☒	Mo3 2.372	☐
Main Bearing Saddles	☒	☐	Rod Journals	☒	Std 2.125	☐
Cam Bearings	☒	☐	Flange Run Out	☒	.003	☐
Remarks:			P/N: <u>LCW-12375</u>			
			S/N: <u>116135</u>			

Magnaflux Parts	OK	Fail	Replace	N/A
Counterweight	☒	☐	☒	☐
Piston Pins	☒	☐	☐	☐
Connecting Rods	☒	☐	☐	☐
Vacuum Pump Gear	☒	☐	☐	☐
Tach Shaft	☒	☐	☒	☐
Magneto Gears	☒	☐	☐	☐
Fuel Pump Gear	☒	☐	☐	☐
Cam Shaft	☒	☐	☒	☐
Rocker Arms	☒	☐	☐	☐
Push Rods	☒	☐	☐	☐
Cam Follower	☒	☐	☒	☐
Hydraulic Pump Drive	☒	☐	☐	☐
Governor Bevel Gear	☒	☐	☐	☒
Governor Idler Gear	☒	☐	☐	☒
Crank Shaft Gear	☒	☐	☒	☐
Cam Shaft Gear	☒	☐	☐	☒

Zyglo Inspection	OK	Fail	Replace	N/A
Accessory Housing	☒	☐	☐	☐
Oil Sump	☒	☐	☐	☐
	☐	☐	☐	☐

Inspector: _____

Date: 6-28-22

Columbia Aircraft Services, Inc.
 Bloomsburg Municipal Airport
 Bloomsburg, PA 17815

CAS Accessories Received with Engine Form

Customer: Steve Short

W/O #: 29437

(Propstrike)

Make	Model	S/N	Mechanic Signature	Date
Lycoming	IO-360-A1B6D	L-19008-51A		6-8-22
Sticht Bendix	10-682555-11	8409132		6-8
Bendix	75279 2524232-2	T-9		6-8
Bendix	RSA-5AD1	22347/16		6-8
McCawley	C290D8JT12	780738		6-8
RAPCO	Z11CC	147887		6-9
Tempest	AA48104	NA		6-9

Columbia Aircraft Services, Inc.
 Bloomsburg Municipal Airport

Repair Station No. #JM2R930K

Bloomsburg, PA 17815

Revision #1 06/30/2018

SHOP TRAVELER

Work Order # 29437 Name Steve Short Date 6-8-22

Engine Model IO-360-A1B6D S/N L-19008-51A

(Circle One) Major O/H, O/H, IRAN, Prop Strike

Item/Stage	In Progress	Finished	Date	Mechanic
Check-in	✓	✓	6-8-22	
Disassembly	✓			
Cleaning	✓			
Parts Inspection				
Parts List				
Parts Ordered				
Parts Received				
Detailing				
Assembly				
Final Assembly				
Test Cell				
Finalizing For Shipment				

Item	Item #	Inspection	Passed/Rejected	Sent Out Date	Received
Crankcase					
Crank Shaft					
Cylinders					

Item	Item #	Inspected	Order	Ordered Date	Received
Magneto/s					
Carburetor					
Injector					
Fuel Pump					
Harness					
Spark Plugs					
Starter					
Hose Kit					
Turbo					
Controller/Wastegate					

Notes:

CAS Cylinder Checklist Form

Customer: Steve ScharlW/O#: 29437Date: 7/27/2022Mechanic: Rob Eddy

1-2-3-4

Qty: 4P/N: CV-10223REFERENCE APPLICABLE ENGINE OVERHAUL MANUAL, ~~LYCOMING~~ CONTINENTAL SERVICE
BULLETINS, LETTERS AND INSTRUCTIONSRepaired ☐Overhauled ☒

Initials

1. Visually inspect for cracks, corrosion or welds. Butterfly spark plug hole and check for cracks.

2. Remove Exhaust valve guide.

Check intake guide for size and condition.

Remove intake guide as required.

3. Check for cracks. Glassbead outside of cylinder; check for condition.

4. Deglaze cylinders--New limits to +.0035.

Ream hole in head for guides.

5. Wash cylinder.

Fluorescent inspect cylinder.

6. Install intake & exhaust guides, as needed.

Ream guides, as needed.

7. Reface valve seats.

8. Inspect Rocker bushings-studs-tapped holes.

Oil rocker shaft bushings.

9. Inspect intake & exhaust ports, reface as necessary.

10. Prime & Paint; preserve cylinder.

Stamp work order number on rocker boss.

Stamp cylinder with Inspector stamp.

11. Assemble cylinder using New/Serviceable valves, springs, seats & keepers.

Technician: [REDACTED]Date: 7/27/2022Inspector: [REDACTED]Date: [REDACTED]Calibration Tools used: 7-8, 10-9, 11-7, 12-6, 13-4, 14-15

(Location: refer to Tool & Gauge Master List)

Notes: vacuum test and pass.

See Reverse for Additional Notes

CAS Magneto Checklist Form

Customer: Steve ShortW/O #: 29487Date: 7-28-2022Make: BendixM/N# D4LN-3000P/N# 10-682555-11 S/N# 8409132Overhauled ☒500 Hour Inspection ☐IRAN Inspection ☐Other ☐

Airworthiness Directives Accomplished:

1	☐	AD 94-01-03/R2	Replacement of Coil and Rotating Magnet
2	☐	AD 74-26-09	Shouldered Magneto Drive Shaft Bushing
3	☐	AD 94-06-09	Capacitor Inspection
4	☐	AD 82-13-01	Inspection and/or Replacement of Green Distributor Blocks
5	☒	AD 96-12-07	Inspection of Impulse Coupling
6	☒	AD 82-20-01	Inspection of Impulse Cam Assembly
7	☒	AD 2005-12-06	Bendix, Riveted Impulse Coupling and Stop Pins <u>Shup Rg X-002</u>
8	☐	AD 78-18-04	Rotating Magnet to Housing Clearance
9	☐	AD 79-12-07	D=2000/2200 Series Magnetos with Green Blocks
10	☐	AD 79-18-06	Inspection and/or Installation of Coil Securing Kit
11	☐	AD 80-17-14	Inspection for Possible Housing Distortion
12	☐	AD 82-11-05	Inspection and/or Replacement of Distribution Gears
13	☒	AD 81-12-06/RI	Inspection and/or Replacement of Distribution Gears in D-3000 Series
14	☐	AD 80-06-05	Slick Impulse Harness
15	☐	AD 81-16-05	Slick Coil Compound
16	☐	AD 99-04-04	6 cylinder Textron Lyc. Impluse Coupling Inspection Slick
17	☐	AD 74-18-05	Slick Loose Rivets
18	☐	If additional AD s apply attach and fill out: Note on reverse.	

Mechanic

Date

Teardown and Inspect			7-28-22
Cleaning			7-28-22
Painting			7-28-22
Test after Inspection			7-28-22
Final Inspection			8-1-22

Parts Installed in Above Unit

Qty.	Part #	Description
2	10-382790-1	Coil
2	10-382585	Contact
2	10-682014	Gear Assembly
1	10-400009	ID - Tag
2	10-400574	Capacitor
1	CAS-7000	W/O OTC kit

Calibration Tools used:(Location:refer to Tool & Gauge Master List) T-4, T-15, IS-P

Work Performed In Reference To Manuals:



All Applicable AD's and Service Bulletins have been checked

C/H/S X-42003-3Columbia Aircraft Services, Inc
Bloomsburg Municipal Airport

Repair Station No. JM2R930K

Bloomsburg, PA 17815

May 2022