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AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

Cessna A185F
N5418E
3/N 18503968

**AIRFRAME
MAINTENANCE
RECORDS**

Log Book # 4

Log No. 4

Aircraft Registration No. N 5418E
Aircraft Mfg. Cessna Model A185F Serial No. 18503969

Engine Mfg. Continental Model IO550D13B Serial No. 1007348
Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. McCauley Model D3A34C401-C Serial No. _____
Hub Design No. _____ Hub Serial No. 120238
Blade Design No. H-90 DFA-8 Blade Serial No's. AFD 26031
AGP 26094
AGD 26096

Propeller Mfg. _____ Model _____ Serial No. _____
Hub Design No. _____ Hub Serial No. _____
Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TOTAL brought forward from previous page


ANSON AVIATION

Make: CESSNA Model: A185F Reg. No.: N5418E
 Order No.: 135154 Tach Time: 727.50 Completed: 08/11/20
 S/N: 18503968 Type: ContIO550D TTAF:
Engine Log S/N: 100578

installed an Overhauled starter adapter P/N 643259A18 s/n CAM20-163 from Organization #384-91 on W/O#20-163, assembled parts removed for access, changed engine oil to Phillips X/C20w50, changed filter and cut it to check for particles - none found, ran engine. Dave Bray A&P3807322

Dave Bray A&P 3807322

wo: WO_KGXY-N5418E-215 Airframe - page 1 of 1



Advanced Aerotechnologies Group - 631 Burr Avenue - Greeley, CO 80631 - 970-373-3295 - CRS#: 270D157C

N5418E	CESSNA, A185F, S/N: 18503968	January 18, 2021
Hobbs: 2349.7	TACH: 727.7	

1. Removed wiring from instrument panel to the avionics in the tail section. Reinstalled wiring harnesses from instrument panel to avionics in the tail section. All systems ops checked good. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Advanced Aerotechnologies Group under work order: WO_KGXY-N5418E-215.

George Aikens Airframe 2732175 *M-air*

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DATE

635 AIRPORT ROAD - WELD COUNTY AIRPORT - GREELEY, COLORADO 80631

06-07-2021 Tach 0.00 Hobbs 2349.7 AFTT 2349.7 N5418E sn 18503968
Eng 0.00 Prop TSMOH 0.00

Disassembled aircraft for ground transportation: Removed LH & RH wings. Removed vertical/rudder assembly. Removed LH & RH elevators. Removed horizontal stabilizer. Removed LH & RH main landing gear. Disassembled aircraft for repairs: Removed LH & RH cabin doors. Removed McCauley propeller Model D3A34C401/90DFA-2 sn 120238. Removed Continental IO-550-D sn 1007348. Removed engine mount assembly. Removed interior as required. Removed rudder pedal bars, pedals, and master cylinders. Removed flap handle assembly and trim wheels. Removed fuel header tank and selector valve. Removed firewall mounted items. Removed windshield. Removed electrical wiring as required for repairs. Removed LH & RH flaps, ailerons, wing extensions, and wing tips. Repaired fuselage: Replaced forward carry thru spar channel pn 0711066-9 at Station 34.00. Replaced RH door post assembly pn 0513006-144 at Stations 19.50 to 34.33. Replaced LH door post assembly pn 0513006-143 at Stations 19.50 to 34.33. Replaced bulkhead pn 0513006-9 at Station 19.50. Replaced bulkhead angle pn 0513006-23 at Station 19.50. Replaced forward LH bulkhead stiffener pn 0713495-11 at Station 19.50. Replaced forward RH bulkhead stiffener pn 0713495-12 at Station 19.50. Replaced forward center doubler pn 0713153-1 at Station 19.50. Replaced LH forward bulkhead reinforcement plate pn 0713495-15 at Station 19.50. Replaced RH forward bulkhead reinforcement plate pn 0713495-16 at Station 19.50. Replaced aft landing gear bulkhead pn 0513006-103 at Station 27.80. Replaced aft bulkhead reinforcement angle pn 0513006-141 at Station 27.80. Replaced LH aft bulkhead reinforcement plate pn 0713495-13 at Station 27.80. Replaced RH aft bulkhead reinforcement plate pn 0713495-14 at Station 27.80. Replaced LH aft bulkhead stiffener pn 0713495-9 at Station 27.80. Replaced RH aft bulkhead stiffener pn 0713495-10 at Station 27.80. Replaced RH & LH fittings pn (2) 0713495-69 at Station 27.80. Replaced RH & LH fittings pn (2) 0713495-17 at Station 27.80. Replaced aft bulkhead center doubler pn 0713152-1 at Station 27.80. Replaced LH inboard landing gear support bracket assembly pn 0713495-21 at Stations 19.50 to 27.80. Replaced RH inboard landing gear support bracket assembly pn 0713495-22 at Stations 19.50 to 27.80. Replaced landing gear support floorboard pn 0513006-11 at Stations 19.50 to 27.80. Replaced LH landing gear bulkhead splice angle pn 0713495-53 at Stations 19.50 to 27.80. Replaced RH landing gear bulkhead splice angle pn 0713495-54 at Stations 19.50 to 27.80. Replaced flap return pulley bracket pn 0510163-1 at Station 27.80. Replaced LH keel forward bulkhead pn 0510113-35 at Stations 0.00 to 19.50. Replaced RH keel forward bulkhead pn 0713560-2 at Stations 0.00 to 19.50. Replaced LH lower bulkhead pn 0713144-1 at Station 8.125. Replaced RH lower bulkhead pn 0713144-2 at Station 8.125. Replaced RH rudder pedal bulkhead assembly pn 0713008-4 at Station 0.00 to 8.125. Replaced LH rudder pedal bulkhead assembly pn 0713241-1 at Station 0.00 to 8.125. Replaced inner console wall cowl flap control pn 0713558-1. Replaced forward elevator control tube pn 0760005-1. Replaced cowl flap control cables pn (2) MC986007-3. Replaced center forward stringer pn 0511000-35 at Stations 28.00 to 42.25. Replaced RH center section belly stiffener pn 0713985-2 at Stations 28.00 to 65.00. Replaced belly skin center section pn 0710003-47 at Station 27.812 to 65.33. Replaced firewall sheet pn 0753039-8 at Station 0.00. Replaced LH lower firewall doubler pn 0753000-28 at Station 0.00. Replaced RH lower firewall doubler pn 0753000-29 at Station 0.00. Replaced firewall pan pn 1653008-1 at Station 0.00. Replaced LH cowl bracket pn 0752033-1 at Station 0.00. Replaced RH cowl bracket pn 0752033-2 at Station 0.00. Replaced fuel pump bracket pn 0716129-1 at Station 0.00. Replaced fuel pump shield assembly pn 0716130-1 at Station 0.00. Replaced LH & RH lower engine mount stringers pn (2) 0713142-1 at Stations 0.00 to

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19.50. Replaced LH cowl attach strip pn 0753009-1 at Station 0.00. Replaced RH cowl attach strip pn 0753009-2 at Station 0.00. Replaced forward belly skin pn 0791303-2 at Stations 0.00 to 19.50. Replaced RH forward side skin pn 0713766-8 at Stations 0.00 to 27.50. Replaced LH forward side skin pn 0713766-7 at Stations 0.00 to 27.50. Replaced LH lower doubler pn 0710010-3 at Stations 8.758 to 20.00. Replaced RH lower doubler pn 0710010-4 at Stations 8.758 to 20.00. Replaced aux fuel pump pn 4140-00-15CJ sn 16224-16229. Replaced center section floorboard pn 0713982-2 at Stations 27.80 to 65.33. Replaced pilot and co-pilot seat rails pn's MC0711693-10, MC0711693-7, MC0711693-9, and MC0711693-11 at Stations 27.80 to 65.33. Replaced LH & RH cabin steps pn 0711710-5 and 0711710-6 at Station 48.00. Replaced DME/transponder antenna pn 071-1174-00 sn 3995. Replaced L band antenna pn S72-1750-32L sn 6118. Replaced RH door post skin pn 0513006-102 at Stations 20.00 to 22.00. Replaced LH door post skin pn 0513006-101 at Stations 20.00 to 22.00. Replaced LH & RH outboard landing gear support brackets pn 1301-2 and pn 1301-1 STC # SA4170NM at Stations 20.00 to 27.00. See FAA 337 Form dated 06-07-2021. Replaced LH & RH outboard landing gear support angles pn 0713495-5 and 0713495-57 at Stations 20.00 to 27.00. Replaced LH & RH landing gear bulkhead splice angles pn 0713495-53 and 0713495-54. Replaced upper windshield retainer pn 0511000-63. Replaced parking brake tube/cable assembly pn 0713070-16. Replaced lower landing gear bulkhead skin pn 0713100-25 at Stations 19.00 to 32.00. Replaced LH aft tunnel pn 0510183-17 at Stations 20.0 to 39.00. Replaced RH aft tunnel pn 0510183-16 at Stations 20.00 to 39.00. Replaced RH forward floorboard pn 0713002-13 at Stations 8.12 to 20.00. Replaced LH forward floorboard pn 0713002-10 at Stations 8.12 to 20.00. Replaced LH & RH upper door post head liner retainer pn 0711131-3 and 0711131-4 at Stations 36.00 to 65.00. Replaced pitch trim wheel sprocket pn 0761212-1 and shaft pn MC0761205-9. Replaced RH heat duct union pn 0513238-1. Installed overhauled engine mount assembly pn 0751007-16 by Aerospace Welding Minneapolis CRS# UWDR792L WO# 201899. Replaced upper and lower engine cowling assembly pn 0752031-84 and 0752031-214. Installed lower cowl louvers and stiffeners pn 1213309-1, 1213310-1, 1213309-2, 1213310-2 and FT185-900-001. Replaced induction box assembly pn 85-6750012. Installed P-Ponk STC # SA2918NM beef-up blocks pn PSK1101. See FAA 337 Form dated 06-07-2021. Replaced LH & RH cowl flaps pn 0752014-1 and 0752014-2. Replaced mixture control cable pn MC9862066-3 and rod end pn MCS1104-3. Replaced propeller control cable pn MC345-085-7 and rod end pn MCS1104-3. Replaced throttle control cable pn MC9863056-5 and rod end MCS1006-3. Complied with Cessna SEB 01-03 dated February 19,2001 to control yoke by Drilling .025 inch drain hole. Complied with AD 2020-21-22 dated 11-02-2020, Amendment # 39-21295 IAW Cessna SEL 55-01 dated December 7, 2017, no damage or corrosion present. Submitted results to Cessna structures. Repaired LH wing: Replaced LH outboard leading edge assembly pn 0722180-83 at Stations 100.00 to 208.00. Resealed inboard fuel bay rib as required. Fueled and performed leak check. Repaired RH wing: Replaced fuel vent gasket pn 0523554-2 at Station 85.87. Replaced fuel vent gasket pn 0523554-1 at Station 85.00. Replaced inboard aft spar pn 0726014-2 at Stations 22.00 to 100.00. Replaced rib pn 0523082-1 at Station 90.00. Replaced tip rib pn 0722200-2 at Station 208.00. Replaced lower skin assembly pn 0726013-6 at Stations 23.62 to 100.00. Replaced upper inboard trailing edge skin pn 0720601-21 at Stations 23.62 to 100.00. Replaced lower inboard trailing edge skin pn 0720601-100 at Stations 23.62 to 100.00. Replaced rib pn 0722200-2 at Station 208.00. Sealed fuel bay as required. Performed leak check. Repaired landing gear: Inspected LH & RH main wheel assembly. Repacked LH & RH main wheel bearings with Mobile 28. Installed new main tires 8.50-6 Michelin Air pn 076-325-0 and Goodyear tubes 8.50-6 pn 302-121-400. Replaced LH & RH Titanium main gear legs LH pn XP0741001-88 sn 2020-156 RH pn XP0741001-77 sn 2020-159 (STC previously installed). Replaced LH & RH Titanium axles pn AF1441003-1T with new attach bolts. Reinstalled LH & RH main gear legs with new attach hardware. Replaced wedges pn AD0441023-2. Performed main gear alignment. Replaced damaged upper and lower Snider speed fairings, STC previously installed (STC previously installed). Bleed brakes. Performed operational

DATE

check. Engine: Installed factory reman IO-550-D (13) sn 1039955 (turbo charger and IO-550 STC previously installed), installed new lord mounts pn (2)J6545-1 and (2) J15198-1 with new attach bolts pn (2) AN7-33A, (2) AN7-46A, and lock tabs pn (4) 0851559-1. Replaced baffles with new Airforms, Inc. pn AF0750128-19, AF0750128-23, AF0750128-21, AF0750128-97, AF0750128-66, AF0755050-9, AF0750128-76. Installed new LH exhaust stack assembly pn ETI-C-101. Installed new RH exhaust stack assembly pn 85-685-0002. Installed new waste gate adapter pn ETI-C-109. Installed new tailpipe pn ETI-C-108 and clamp pn 11-1100035. Installed new #5 Cylinder baffle pn #5 cyl baffle kit. Installed new crankcase breather tube pn AD0700147-9. Installed new intercooler to engine hoses pn 85-6700049 and 85-6700050. Installed new LH turbo bracket pn 85-6200013 and spacer pn 85-6200015 with new bolts pn MS20074-05-10. Installed new RH turbo bracket pn ETI-C-620-101. Installed overhauled turbo charger pn 406610-0029 sn H-SKL00067 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60207. Installed new oil inlet fittings pn FS-166-C185 with new bolts pn AN6C-12A, (2) AN6C13A, and AN6C-14A. Installed new turbo oil inlet check valve pn 35-6500014. Installed new turbo oil drain fitting pn 85-6550005. Installed new drain check valve pn 35-6550003. Installed overhauled fuel pump pn 4140-00-15CJ sn 16224-16229/SN GP02 from CJ Aviation, Inc. CRS # PQ1607-CE WO# 303366. Installed overhauled fuel controller pn 04-6550011 sn D089906A from Great Planes Metering, Inc. CRS # 1GPR022B WO# 21-154. Installed overhauled Hartzell turbo controller pn 470688-0005 sn NGN00142 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60203. Installed overhauled Hartzell wastegate pn 470990-011 sn H-SCN00038 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60202. Installed with new gaskets pn (2) 652456. Installed overhauled Hartzell turbo pressure relief valve pn 470944-9029 sn MEN00101 from Main Turbo Systems, Inc. CRS # MAMR190K WO# 60204. Installed new LH turbo heat shield pn 85-6350002. Installed new turbo/wastegate manifold assembly pn ETI-C-103-1 with new gaskets pn (2) 642502 and bolts pn AN5C-10A. Installed new fuel flow transducer bracket pn FS-170. Installed new heat shield pn 856300009 and FT185-1015-101. Installed new RH lower turbo bracket support pn ETI-C-620-102. Installed new intake heat deflectors pn (6) MC0750143-1. Reinstalled existing alternator. Installed new alternator belt pn S2416-1-31.0. Installed new snuffle drain valve pn 11-1100036. Installed new turbo inner cooler pn ETI-C-500 sn J12-10782-6 and coupling pn ETI-SR22-15-2. Installed new intercooler duct pn ETI-C-501. Installed GAMI STC # SE09289SC kit # G7168B sn 25087 fuel injection nozzles. See FAA 337 Form dated 06-07-2021. Propeller: Installed overhauled McCauley propeller Model # D3A34C401-C/G90-DFA-6 sn 040408 from Redline Aviation, Inc. CRS # R62R296Y WO# 1474P (STC previously installed). Repainted repairs: Repainted fuselage as required. Stripped and repainted LH & RH wings. Repainted LH & RH main gear fairings. Repainted RH vertical fin as required. Repainted horizontal stabilizer. Repainted to match. Reassembled aircraft: Reinstalled horizontal stabilizer with new attach hardware. Reinstalled vertical stabilizer with new attach hardware. Reinstalled rudder with new attach hardware. Reinstalled LH & RH elevators with new attach hardware. Rigged elevator system. Performed operational check. Rigged horizontal stabilizer trim system. Performed operational check. Rigged rudder system. Performed operational check. Replaced wing root seal fuel hoses with pn Mil-6000. Replaced wing root aero ducting. Reinstalled LH & RH wings with new attach bolts. Replaced LH & RH wing struts pn 0723600-17 and 0723600-18 with new attach bolts. Replaced upper wing strut seals pn 0713180-1. Replaced LH & RH aileron direct cables pn MC0510105-222. Reinstalled LH & RH flaps and ailerons with new attach hardware. Rigged flap and aileron systems. Performed operational check. Replaced RH wing fuel drain valve pn SA82. Replaced master switch pn W31M-40. Reinstalled pilot and co-pilot rudder pedals with new attach hardware. Replaced fuel shutoff valve cover pn 9851074-1. Replaced center console cover pn K0700764-10. Replaced drain valves pn CCA-2800. Replaced Maple Leaf Aviation Limited exhaust fairing pn EF182-00520F (STC previously installed). Replaced Challenger air filter pn CP-1182 (STC previously installed). Reinstalled interior as required. Reinstalled EDM930 pn 790000-C-1670 sn 0285 after tachometer rest to 0.00 and programming for Cies digital fuel gauges. See FAA 8130-3 Form from J.P. Instruments, Inc.

Page No.

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WO# RMA61500. Installed Cies fuel transmitters LH & RH pn's CC284022-0602-501 and CC284022-0602-502. See FAA 337 Form dated 06-07-2021. Weighed aircraft: New empty weight: 2080 lbs. New empty C.G. 33.99. New empty moment 70699.12. New useful load: 1445.00 lbs. (STC # SA00276NY previously installed). See weight and balance sheet dated 06-07-2021. Annual: Disassembled, cleaned, and inspected tailwheel head. Reassembled and serviced. Repacked tailwheel bearings. Cleaned and inspected fuel strainer. Replaced ELT antenna pn 110-773 sn 389877-011. Replaced ELT battery pn 452-6499 sn 390610-34. Performed operational check IAW FAR 91.203 (D). Replaced seat stop pn 505590-403. Complied with AD 2011-10-09 by inspection of seat rails, rollers, and seat tangs. Complied with AD 2020-21-22 IAW Cessna SEL 55-01. Reoccurring at AFTT 2849.70 or 5 years whichever occurs first. AD's researched thru bi-weekly 2021-2.

I certify that this aircraft has been inspected in accordance with an annual inspection and determined to be in an airworthy condition.

This aircraft was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details on file at Beegles Aircraft Service LLC, Greeley, CO.
 Work Order # 12,949 CRS# BX4R092M

Signed *[Signature]*

Date 6-8-2021 Tach 1.5 N 5418E

Performed operational flight in accordance with FAR 91.407 Paragraph (b).

Signed *[Signature]* 2839269

wo: WO_KGXY-N5418E-320

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Advanced Aerotechnologies Group · 631 Buss Avenue · Greeley, CO 80631 · 970-373-3295 · CRS#: 270D157C

N5418E
Hobbs: 2352.7

CESSNA, A185F, S/N: 18503968
TACH: 2.5

June 14, 2021

Found GDU620 display washing out and becoming unreadable. Received exchange unit s/n 165201025 from factory and installed. System ops checked good. No change to weight and balance. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Advanced Aerotechnologies Group under work order: WO_KGXY-N5418E-320.

George Aikens Airframe 2732175

[Signature]

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Advanced Aerotechnologies Group - 631 Buss Avenue - Greeley, CO 80631 - 970-373-3295 - CRS#: 270D157C

DA

N5418E
Hobbs: 2354.7

CESSNA, A185F, S/N: 18503968
TACH: 4.0

June 24, 2021

This aircraft's Pitot Static system has been inspected and tested in accordance with FAR Part 43 Appendix E, and has been found to comply with FAR 91.411. General condition good. Debris, Moisture, Obstructions Clear. This aircraft's Altimeter and Altitude reporting equipment has been inspected and tested in accordance with FAR 43 Appendix E and F and has been found to comply with FAR 91.411. Pilot's ADC s/n 20611978 tested to 18000 ft. Pilot's Standby Altimeter tested to 18000 ft. This aircraft's ATC system has been inspected and tested in accordance with FAR 43 Appendix F and has been found to comply with FAR 91.413. Transponder #1: GTX345 s/n 3EG002559. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Advanced Aerotechnologies Group under work order: WO_KGXY-N5418E-324.

George Aikens CRS 270D157C

ANSON AVIATION

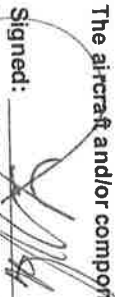
Make: CESSNA	Model: A185F	Reg. No.: N5418E
Order No.: 162166		Completed: 6/30/2022
S/N: 18503968	Tach Time: 114.20	TTAF: 2463.90

Replaced beacon lamp assembly with new, replaced JPI oil pressure transducer with new unit, checked ELT per FAR91.207d, ELT battery is due June 2028, fire extinguisher passed check, C/W Annual inspection per Cessna 180 series checklist, opened panels, lubricated pulleys and hinges, C/W AD11-10-09 by inspection per para.(g) next due 214.2 or next Annual, removed and charged both batteries, batteries passed capacity check, charged and installed batteries, I certify that this AIRFRAME has been inspected in accordance with an ANNUAL Inspection and was found to be in an airworthy condition. This aircraft was repaired and inspected in accordance with the current Code of Federal Regulation and is approved for return to service with respect to work performed.

Juan Perrett A&P IA#3217203

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
			<p>AIRCRAFT MAINTENANCE ENTRY</p> <p>WOW#: 23191 REG#: N5418E DATE: 05 DEC 2022</p> <p>MFG/MODEL: CESSNA A185F SN: 18503968 TACH/HOBBS: 139.4 TACH</p> <p>Altimeters(s), Altitude Reporting equipment and Static System required by 14 CFR Part 91.411 have been performed by 14 CFR Part 43 Appendix E. Altimeter(s) Certified To 18,000 FT</p> <p>Performed tests required by 14 CFR Part 91.413 in accordance with paragraph (c) Appendix E and Appendix F of 14 CFR Part 43 GTX345 S#3EG002559 : Pass</p> <p>Repaired pilots PTT switch, replaced wiring with 22G wire and fixed cold solder joints.</p> <p>Replaced Mid-Continent standby indicator battery IAW manual P#9015762 REV L. Battery P#9015607 S# L22-10861.</p> <p>Updated G500 MAG FIELD IAW SB 20113 REV A.</p> <p>The aircraft and/or component listed was repaired and inspected IAW current FAA regulations and is approved for return to service.</p> <p>Signed:  _____</p> <p>Temple Electronics Co. Inc. FAA CRS XD1R608K - AFAC CRS CO-200/19</p>

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