

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AVIONICS
MAINTENANCE
RECORDS**

| Dix Aviation Repair Station FAA Certified Repair Station #8DXR794D | | | |
|---|-------------|----------------|-----------|
| Altimeter Calibration Record | | | |
| Tested in compliance with Appendix E, Part 43, FAA Regulation | | | |
| ALTITUDE | SCALE ERROR | FRICTION ERROR | Case Leak |
| -1,000 | 0 | - | OK/mln |
| 0 | 0 | - | |
| 500 | 0 | - | |
| 1,000 | +10 | 1k 0 | |
| 1,500 | +10 | - | |
| 2,000 | 0 | 2k 0 | |
| 3,000 | 0 | 3k 0 | |
| 4,000 | -10 | - | |
| 6,000 | 0 | 5k +10 | |
| 8,000 | +10 | - | |
| 10,000 | +20 | 10k 0 | |
| 12,000 | +10 | - | |
| 14,000 | +10 | - | |
| 16,000 | +20 | 15k +10 | |
| 18,000 | +30 | - | |
| 20,000 | +20 | 0 | |
| 22,000 | | | |
| 25,000 | | | |
| 30,000 | | | |
| 35,000 | | | |
| 40,000 | | | |
| 45,000 | | | |
| 50,000 | | | |

DE:
E &

Date: 9-19-2023

I certify the below transponder(s) have been inspected and found to comply with the requirements of FAR Part 91.413 on Work Order/Invoice.

No. 128 dated 9-19-2023

Transponder: Make Avdyne

Model AXP322 S/N 05156

Repairman Signature: Jason Kubiak

Dix Aviation Repair Station
FAA Certified Repair Station #8DXR794DCutting Edge
AVIATION

3600 Carol Kennedy Rd Hanger D, San Andreas CA 95249

Date: 12-05-2024 Logbook: Airframe Tail Number: N1303S

Tach: 3732.8 Hobbs: Model: 182P Serial: 18264869 W/O Ref: 743

Repairs / Maintenance

- In accordance with 91.411 (2), I certify that I tested and inspected the static system and it was found to comply with paragraph (a) appendix E, of part 43.

The work described on the above work order was performed in accordance with current regulations of the FEDERAL AVIATION AGENCY. It is airworthy and is APPROVED FOR RETURN to service.

Certificate: CEAR996D Authorized RTS Technician: Jason Kubiak

Sign: _____ | Date: 12-05-2024

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|-----------------------------------|-----------------------------------|---|
| AC MAKE: CESSNA AC MODEL: 182P AC S/N: 18264869 Date: September 22, 2017 | | | SPARKCHASERS Aircraft Services, Inc. AIRFRAME LOGBOOK ENTRY TACH TIME: 3228.5 HOBBS: A/C REG. #: N1303S |
| I certify that the altimeter and static system tests and inspections required by FAR 91.411 have been performed. The LH Altimeter, P/N United Instruments 5934P-1 S/N 10087 certified to FAR Part 43, Appendix E by Sparkchasers Aircraft Services, Inc., CRS# XSPR699K, on WO# 103457 was tested to 20,000 ft. on 09/3/2017. The associated altitude reporting system was tested to 20,000 ft. Details related to certification are on file under WO# 103457, dated 07/05/2017. I certify the below transponder(s) has(have) been inspected and found to comply with the requirements of FAR Part 91.413 on Work Order No. 103457, dated 07/05/2017. #1 Transponder: Make Avidyne, Model AXP322, S/N 05156. Signed <u>[Signature]</u> for Sparkchasers Aircraft Services, Inc. CRS# XSPR699K | | | |
| Reg. #: N1303S Make/Model: Cessna 182P Tach Time 3228.5 Removed broken balun for nav antenna. Fabricate new balun. Install in aircraft and attach to nav coax. Wrap BNC connection with fusion tape. Attach antenna end and secure. Reassemble and ops check nav functions. Ck good. Removed beacon flasher-p/n 150-0015 and replace with flasher p/n 150-0015-s/n T17072902. Fix broken wire for flasher. Clean corroded ground point for flasher. Install flasher and ops check-check good. reassemble vertical stabilizer cap. Reinstall plate @pilot's side horizontal stabilizer. The aircraft and/or component(s) mentioned above have been repaired or inspected in accordance with the current Federal Aviation Regulations and found airworthy for return to service. Pertinent details of the repairs are on file at this agency under the workorder#103457. Signed <u>[Signature]</u> Date 9/22/2017 For Sparkchasers Aircraft Services CRS: XSPR699K | | | |

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|-----------------------------------|-----------------------------------|---|
| I certified that the ATC Transponder test required by FAR 91.413 have been performed found to comply with FAR 43, appendix F. # 1 Make Avidyne Model AXP322 S/N 05156 # 2 Make _____ Model _____ S/N _____ Date 07/13/2021 W.O.# 16413 Signed <u>[Signature]</u> for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J | | | |
| Aircraft tested as required by FAR 91.411, I.A.W. FAR 43 appendix "E". 1. Static system: Per paragraph (a) 2. LH Altimeter: paragraph (b) to 20,000 ft. S/N 10087 3. RH Altimeter: paragraph (b) to _____ ft. S/N _____ 4. Integrated mode "C" system per paragraph (c). Performed items # 1, 2, 4 W.O.# 16413 Signed <u>[Signature]</u> Date 07/13/2021 Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J | | | |
| Date 07/13/2021 A/C Time 3620.3 W.O.# 16413 The maintenance operations described below were inspected and with respect to the work Performed, the component and/or system is approved for return to service. Items: Co-Pilot side static system sump removed, installed new sump P/N: 51258-1. ops check normal. Details are on file at this agency under the above referenced work order. Signed <u>[Signature]</u> for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J | | | |
| Date 9-9-2021 A/C Time 3644.3 W.O.# 16461 The maintenance operations described below were inspected and with respect to the work Performed, the component and/or system is approved for return to service. Items: Troubleshoot G/S problem on #1 Nav and found no G/S meter movement on #1 202; Swepped CDI #1 & #2 per customer request; installed rear seat stop for Co-pilot's seat Details are on file at this agency under the above referenced work order. Signed <u>[Signature]</u> for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J | | | |
| Date 2-3-2022 A/C Time 3772.2 W.O.# 16539 N1303S The maintenance operations described below were inspected and with respect to the work Performed, the component and/or system is approved for return to service. Items: Troubleshoot Garmin G106B CDI #2 G/S input. Replaced Nav radio, GNS 430, continuity checked CDI wiring and bench check CDI. Removed G106B and replaced w/ 106B Details are on file at this agency under the above referenced work order. S/N H19-10622 Signed <u>[Signature]</u> Ops check Normal for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J | | | |

DATE

AIRFRAME
TIME IN
SERVICEAVIONICS
TIME IN
SERVICEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

AC MAKE: CESSNA

AC MODEL: 182P

AC S/N: 18264869

SPARKCHASERS

—Aircraft Services, Inc.—

AIRFRAME LOGBOOK ENTRY

TACH TIME: 3228.5

HOBBS:

A/C REG. #: N1303S

Date: September 22, 2017

Removed the following equipment: 1 ea. Narco Marker Beacon Receiver; 1 ea. Northstar M1A Loran System; 1 ea. Cessna / ARC 300 ADF System; 1 ea. King KX170B Transceiver with KI214 Nav Indicator; 1 ea. TKM MX300 Transceiver with IN-514B Nav Indicator; 1 ea. Cessna / ARC Audio Switching Panel; 1 ea. Sigtronics SPA400 Intercom and 1 ea. Trans Cal Industries D120P2T Altitude Reporter.

Installed the following equipment: 1 ea. Avidyne IFD550 Transceiver P/N 700-00182-020 s/n M172812804 at 11.5 in.; 1 ea. Garmin GA35 WAAS Antenna P/N 013-00235-00 s/n 137618 at 42.8 in.; 1 ea. Avidyne AXP322 Transponder P/N 0075-00-05 s/n 05156 at 13.0 in.; 1 ea. Avidyne SkyTrax100 UAT P/N 200-0010-02-10 s/n 16470035 at 134.0 in.; 1 ea. Garmin GMA345 Audio Panel P/N 011-03520-00 s/n 320000437 at 13.3 in.; 1 ea. Garmin GNS430 Transceiver P/N 011-00280-10 s/n 971232247 at 11.9 in.; 1 ea. Garmin GA56 GPS Antenna P/N 011-00134-00 s/n 59085529 at 43.3 in.; 2 ea. Garmin GI-106B NAV Indicators P/N 013-00593-01 s/n F17-10374 & E17-11836 at 14.5 in. and 1 ea. ACK A30.9 Serialized Altitude Reporter s/n 143161 at 13.0 in. The above Avidyne IFD550 Navigator was installed in accordance with the Avidyne IFD5XX and IFD4XX Installation Manual (Document # 600-00299-000, Rev 12, dated 3/15/2017) and as directed by Avidyne STC # SA00343BO amended on March 06, 2017. The Garmin GA35 WAAS Antenna was installed in accordance with the Garmin GA35 Antenna Installation Instruction Manual # 190-00848-00, Rev. F, dated July, 2014 and as directed by Garmin STC# SA01695SE. The Avidyne AXP322 Remote Transponder System was installed in accordance with the Avidyne AXP322 Mode S Remote Transponder Installation Manual (Document # 600-00312-000, Rev. 3 dated 1/26/2017) and as directed by Avidyne STC# SA00352BO amended November 30, 2016. The SkyTrax100 (ADS600B) ADS-B Universal Access Transceiver System was installed in accordance with the NavWorx Inc. Installation Manual # 240-0021-00-13, Rev. 13, dated 7/28/2015 and as directed by NavWorx STC# SA11172SC. The above Garmin GMA345 Audio System was installed in accordance with the Garmin GMA 342/345 Installation Manual (Document # 190-018787-02, Rev 1). The Garmin GNS430 Comm/NAV/GPS System with GI-106B NAV Indicator was installed as the #2 system in accordance with the Garmin 400 Series Installation Manual (Document # 190-00140-02, Rev. T) and the ACK A30.9 Serialized Altitude Reporter was installed in accordance with the ACK Model A-30 Altitude Digitizer Installation and Operators Manual (Document # A30M, Rev. 06). The GPS receiver in the #2 GNS430 system is supplemental in nature and is not approved for IFR enroute, terminal or non-precision approaches. *Instructions for Continued Airworthiness:* The following Instructions for Continued Airworthiness documents have been placed in the permanent aircraft records: Avidyne IFD Navigator (Document # AVIFD-315, Rev. 8); Avidyne AXP322 (Document # AVAXP-007, Rev. 2 dated 10/04/2016); Avidyne Sky Trax / ADS600-B (Document # 240-0017-00, Rev 10 dated 12/17/2014); Garmin GNS430 (Appendix A.1 of Document # 190-00140-02, Rev. T). Maintenance of the Garmin GMA345 Audio System and ACK A30.9 Altitude Reporter are on-condition only. *Flight Manual Supplements:* The following Flight Manual Supplements have been placed in the Pilot's Operating Handbook: Avidyne IFD Navigators (Document # 600-00298-000, Rev 6 dated 03/20/2017); Avidyne AXP322 Remote Transponder (Document # 600-00309-000, Rev 1, dated 11/30/2016); SkyTrax100 ADS-B UAT (Document # 240-0018-00, Rev 3, dated 12/09/2014). All inspection records and other documents pertaining to this major alteration are on file at Sparkchasers Aircraft Services Inc., 3223-C Swift Creek Road, Smithfield, NC 27577 under Work Order # 103457, dated 07/05/2017.

Aircraft New Empty Weight: 1818.00 lbs.

Aircraft New Empty Weight CG: 35.17 in.

Aircraft New Useful Load: 1132.00 lbs.

Signed _____

Sparkchasers Aircraft Services, Inc.
CRS# XSPR699K

for

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|----------|-----------------------------------|-----------------------------------|--|
| 2-13-90 | | | FAR 91.171 has been accomplished I/A/W Part 43 APP E Para. (A) (B) (C) The altimeter has been tested to <u>20,000</u> feet. Signature <u>[Signature]</u> make <u>GARWIN</u> model <u>22-374-B02</u> serial <u>67A7104</u> date <u>2-13-90</u> Northeastern Avionics, Inc. E-19-49 |
| 2-13-90 | | | ATC transponder tests and inspections required by FAR 91.172 were performed this date 2-13-90 and found to comply with FAR part 43 Appendix F. No. 1: ARC RT 359A S#8709 No. 2 N/A W.O. #21975 Signed <u>[Signature]</u> Northeastern Avionics, Inc. E19-49 |
| 2-13-90 | | | Removed & Replaced NAVI Ind. S# 7014 (NEW) BARNES ARPT, MASS. VOR #1 & 2 ERROR LESS THAN 4° <u>[Signature]</u> |
| 06-26-92 | | | FAR 91.411 has been accomplished I/A/W Part 43 APP E Para. (A) (B) (C) The altimeter has been tested to <u>20,000</u> feet. Signature <u>[Signature]</u> make <u>Unit Data</u> model <u>5934P-1</u> serial <u>23823</u> date <u>06-26-92</u> Northeastern Avionics Inc. FVHR055E |
| 7/18/92 | | | ATC transponder tests and inspections required by FAR 91.413 were performed this date 06-26-92 and found to comply with FAR part 43 Appendix F. No. 1: ARC RT 359A S#8709 No. 2: N/A W.O. #23823 Signed <u>[Signature]</u> Northeastern Avionics Inc. FVHR055E |
| | | | I CERTIFY THAT THE STATIC SYSTEM CONFORMS WITH FAR 91.411. <u>Walter T. Williams</u> ASP 97485363 IA |
| 6/15/93 | | NEW | INSTALLED MICHAEL MX-300 NAV COM AS A DIRECT REPLACEMENT FOR ARC RT-328T. NO 337 NECESSARY NO WEIGHT & BALANCE CHANGE. <u>Walter T. Williams</u> ASP 97485363 IA |

| DATE | AIRFRAME TIME IN SERVICE | AVIONICS TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|-----------------------------------|-----------------------------------|---|
| AIRCRAFT LOG BOOK ENTRY | | | |
| A/C Make <u>CESSNA</u> Model <u>182P</u> Reg# <u>1303S</u> | | | |
| This aircraft's Altimeter Systems and Altitude Reporting Equipment have been inspected and tested in accordance with FAR 43 appendix E para (a), (b), and (c) to comply with FAR 91.411. | | | |
| Pilot Alt P/N <u>5734P1</u> S/N <u>10087</u> tested to <u>20,000</u> ft | | | |
| Copilot Alt P/N <u>—</u> S/N <u>—</u> tested to <u>—</u> ft | | | |
| This aircraft's ATC Transponder system has been inspected and tested in accordance with FAR 43 appendix F to comply with FAR 91.413 | | | |
| Transponder Model <u>ARC RT-359A</u> P/N <u>41420-1114</u> S/N <u>8709</u> | | | |
| Transponder Model <u>—</u> P/N <u>—</u> S/N <u>—</u> | | | |
| WO # <u>98138</u> Date <u>9/23/98</u> Inspector <u>[Signature]</u> | | | |
| Cavley's Aviation Service, N. Smith Rd., LaGrangeville, NY 12540 | | | |
| FAA <u>CRS #QVLR726L</u> | | | |

AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. 1

Aircraft Registration No. N1303S
 Aircraft Manufacturer CESSNA
 Model 182 P
 Serial No. 182 64869

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

| | Mfg. | Model | Serial No. |
|-----|-------------------|----------------------------|------------|
| 1. | CESSNA | RT-328T (#1) | |
| 2. | KING | KX-170B (#2) | |
| 3. | NORSTAR | M 1 (LOKAR) | 17677 |
| 4. | CESSNA | RT-359A (Transponder) | 8709 |
| 5. | CESSNA | 200A (Autopilot) | |
| 6. | CESSNA | R-546E (ADF) | |
| 7. | KING | KI-214 (#2) | |
| 8. | CESSNA | IN-514B (#1) | |
| 9. | CESSNA | (AUDIO PANEL) | |
| 10. | NARCO | MBT-R (3LMB) | |
| 11. | SIGTRONICS | (4 PLACE) | |
| 12. | TRANSCAL | DIAOPAT (INTERCOM ENCODER) | 50452 |
| 13. | micral | mx-300 | 4232 |
| 14. | | | |
| 15. | | | |
| 16. | | | |
| 17. | | | |
| 18. | | | |
| 19. | | | |
| 20. | | | |



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