

AIRCRAFT LOG for 1982 PIPER DAKOTA N8438B

Model # PA-28-236, Serial # 28-8211002, Type Cert. # 2A13

Lycoming - Mod.# 0-540-J3A5D, sn# L-23120-40A

McCauley Prop - Mod.# B3D36C431-BC, sn# 982856, Blade sn# SH038, SH044, SH078

Airframe Time

DATE	AC MODEL	AC S/N	HR MTR	FL-814
8-23-2021	PA-28-236	28-8211002	2603.20	N8438B

REMOVED AND REPLACED LANDING LIGHT WITH WHELEN MODELNO. P36G3L
- P/N 01-0772102-10 - S/N 00748. (5 YEAR WARRANTY FROM MFG DATE 08/21)

Signed

BRENT EILERS - A&P

Date: 12/28/2021; Aircraft: N8438B; Type: PA-28; S/N: 28-8211002
TACH HOURS: 2610.17,
Removed aircraft interior for access IAW PA-28-236 AMM part number 761-681 dated May 31, 2019. Removed existing 55X autopilot system controller part number 01192-1-4T serial number 0346-6338, roll servo part number 0105-R9 serial number 0349-18045, pitch servo part number 0107-1-P4 serial number 0349-14742, pitch trim servo part number 0105-8-T6 serial number 0349-18042, mode selector part number 01279-PX serial number 0349-1822 and all associated wiring and hardware. Installed blank off plate in place of removed 55X controller, relocated fuel quantity and fuel pressure guages outboard to LH lower instrument panel and relocated ammeter, CHT, EGT gauges to newly fabricated RH upper instrument panel IAW AC43.13-1B/-2B. Removed and replaced cigarette lighter with Garmin USB GSB 15, Type-A/Type-C, Rear Power Input, Standard part number 011-04937-20 serial number 63M251015, installed wiring and 7.5 amp circuit breaker IAW Installation Manual, GSB 15 190-00303-A3 Rev 6 dated March 1, 2021. Removed and replaced left forward pitch trim cable with part number 62701-104 IAW PA-28-236 AMM part number 761-681 dated May 31, 2019. Fabricated and installed new wiring harness IAW GFC 500 Autopilot with ESP Part 23 AML STC Installation Manual 190-02291-00 Rev 18 dated September 1, 2021. All wiring routed with existing wire runs and free from all flight controls and cables. Removed and replaced existing M22759 wiring used for CAN BUS going to GAD29B, G5 AI, G5 HSI and GMU11with CAN24TST120 wiring IAW Install Manual, G5 Electronic Flight Instrument Part 23 AML STC 190-01112-10 Rev 28 dated August 1, 2021. Installed GFC500 autopilot IAW STC SA01866WI. All work performed IAW GFC 500 Autopilot with ESP Part 23 AML STC Installation Manual 190-02291-00 Rev 18 dated September 1, 2021 and GFC 500 Install Manual Addendum, Piper Dakota 190-02291-33 Rev 3 dated May 1, 2020. See FAA Form 337 dated 12/28/2021 for details. GFC500 autopilot system consists of GMC 507 controller (installed on lower instrument panel) part number 011-04548-01 serial number 5H1009653, GSA28 pitch servo (installed in tailcone at F.S. 228) part number 011-02927-11 serial number 5G9020544, GSA28 pitch trim servo (installed in tailcone at F.S. 228) part number 011-02927-11 serial number 5G9020590, GSA28 roll servo (installed below LH passenger seat) part number 011-02927-11 serial number 5G9020532, piper PA-28 series install kit part number K11-00024-24, pitch trim switch, go around switch and autopilot disconnect switch (installed on pilot control wheel). Set all bridle cables to specs IAW GFC Installation manual. Verified cable tensions for stabilator and aileron cables, verified control surfaces range of movement and set Pitch Trim cable specs IAW PA-28-236 AMM part number 761-681 dated May 31, 2019. Performed configuration and operational check IAW applicable installation manuals. All systems check good. Reinstalled aircraft interior IAW PA-28-236 AMM part number 761-681 dated May 31, 2019. Updated weight and balance. The aircraft, engine, propeller, or appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # AV-21-11227, dated 12/28/2021.

Signed

Tom Wood Aviation, Inc./Indianapolis Metropolitan Airport
Fishers, IN 46038
FAA Certified Repair Station CRS #1TWR915M

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