


N442AD Diamond DA42NG S/N: 42.AC108 09/02/2025

Hobbs: 2108.7 Tach: 2528.2 TSN: 2528.2

1. Performed Annual inspection I/A/W 14 CFR part 43 Appendix D using Diamond DA42 checklist and Aircraft Maintenance Manual as a reference.
2. ELT inspected I/A/W FAR 91.207(d). ELT P/N: 452-6499 S/N: 05836 Removed and replaced ELT battery with new. Battery P/N: 452-6504 S/N: 1021866-050 Battery EXP: 08/2031.
3. All access panels reinstalled and reinstalled engine cowlings.
4. All other routine service items performed.
5. All applicable AD's through this date.
6. Removed Austro E4-B S/N:E4-B-00193. Installed new Austro E4-B S/N:E4-B-06138.
7. Removed Austro E4-B S/N:E4-B-00192. Installed New Austro E4-B S/N:E4-B-06137.
8. Removed aircraft battery P/N: RG24-15M and replaced with new as required. Removed S/N: 41105677 and Installed S/N: 41385558.
9. Removed LH engine intercooler and weld repaired mounting flange as required.
10. Removed RH engine intercooler and weld repaired mounting flange as required.
11. Removed and replaced nose wheel bearings and races with new as required. Installed (2) P/N 214-00300 - Bearing Cup, Installed (2) P/N 214-00400 - Bearing Cone.
12. Re-attached aft fuselage wiring mounting stand offs as required.
13. Bled brakes as required for proper operation. Serviced with P/N Royco 756 - 5606 Hydraulic Brake fluid.
14. Removed and replaced pilots and co-pilots pedal adjustment cables with new as required. Installed (2) P/N 20-2700-21-00 - Rudder Pedal Adjustment Assembly.
15. Removed and replaced pilots and co-pilots rudder adjustment springs with new as required. Installed (4) P/N 20-2700-20-02 - Rudder cable spring.
16. Removed and replaced rudder trim adjustment indicator with serviceable unit as required. Installed P/N D60-7613-18-00 - Indicator, Pin, Assy.
17. Removed and replaced back up Garmin battery pack with new as required. Next due: 08/2027. Installed P/N DA4-2560-91-00 - EMERGENCY BATTERY PACK.
18. Removed audio panel and replaced with serviceable unit as required. Installed P/N 011-00809-00 - GMA-1347 Audio panel S/N: 47118326.
19. Removed and replaced nose gear upper roller with new as required. Installed P/N D60-5283-63-31 - Centering roller NLG.
20. Removed and replaced LH and RH engine charge air hose with new as required. Installed (2) P/N D64-8126-00-02 - Charge Air Hose.
21. Removed and replaced LH and RH engine air intake hoses with new as required. Installed (2) P/N D64-7166-01-01_2 - Hose, Air Intake I.
22. Removed and replaced RH engine front and rear engine rubber shock mounts with new as required Installed (2) P/N D64-9071-06-01 - Shock Mount, AFT, Installed P/N D64-7126-14-70_02 - Shock Mount FWD LH, Installed P/N D64-7126-14-71_02 - Shock Mount FWD RH.
23. Removed and replaced LH engine front and rear engine rubber shock mounts with new as required Installed (2) P/N D64-9071-06-01 - Shock Mount, AFT, Installed P/N D64-7126-14-70_02 - Shock Mount FWD LH, Installed P/N D64-7126-14-71_02 - Shock Mount FWD RH.
24. Removed and replaced all airframe static wicks with new as required Installed (7) P/N DG16630 - Static Wick.
25. Removed and replaced Landing light ballast with serviceable unit as required. Installed P/N XV23-1-28 - Ballast.
26. Removed and replaced LH brake bleeder screw with new Installed P/N 079-00300 - Brake bleeder screw.
27. Removed and replaced gear warning horn with new as required. Installed P/N SC628ND - Sonalert, Stall Warning.
28. Removed and replaced RH main gear up micro switch with new as required. Installed P/N JE-5 - Microswitch Lever.
29. Removed and replaced RH exhaust down pipe with new as required. Installed P/N D64-7806-10-00 - Exhaust System Assembly.
30. Removed and replaced Ecu back up batteries with new. Next due 08/2026 Installed (4) P/N NP7-12 F2 Terminal - NP7-12 F2 Terminal, Installed (4) P/N NP7-12 - Battery, Sealed, Lead-Acid 12V 7Ah.
31. Removed and replaced Rh fuel cap with new. Installed P/N A508-117-L - Cap, Fuel D4D-9028-17-03, Installed (2) P/N D4D-9028-17-03 - Fuel Cap Assy.
32. Removed and replaced ELT battery with new. EXP:8/2031 Installed P/N 455-0012 - ARTEX ME406 REPL

AIRFRAME (ANNUAL)

Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

BATTERY KIT.

- 33. Removed and replaced copilot rear seat latch with new. Installed P/N DA4-2522-60-00.1 - Locking latch seat.
- 34. Removed and replaced Rh alternator switch with new. Installed P/N 7101K2ZQE - Locking Toggle Switch.
- 35. Removed and replaced LH and RH nose door hinges.

I certify that this airframe was inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this airframe has been determined airworthy and approved for return to service.

James T. Markey A&P 3166872




N442AD MT Propeller MTV-6-R-C-F/CF187-129 S/N: 070930 09/02/2025

Hobbs: 2108.7 Tach: 2528.2 TSN: 2211.3 TSOH: 0.0

1. Performed Annual inspection I/A/W 14 CFR part 43 Appendix D using Diamond DA42 AMM and MT Propeller Maintenance Manuals as references.
2. Inspected propeller blades, hub, attachment bolts, propeller governor and unfeathering accumulators. No defects noted.
3. All routine service items performed.
4. All applicable AD's through this date.
5. Removed RH propeller and sent to M&T for overhaul. Received and re-installed propeller after overhaul as required.

I certify that this propeller (R/H) has been inspected in accordance with an Annual Inspection, and that this propeller has been determined airworthy and is approved for return to service.

James T. Markey A&P 3166872

James T. Markey A&P 3166872

- I certify that this engine (R/H) has been inspected in accordance with an Annual Inspection, and that this engine has been determined airworthy and is approved for return to service.
1. Removed and replaced RH engine with new as required. Removed S/N: E4-B-00142, Installed S/N: E4-B-06137 Installed P/N E4B-00-000-BHY - Austro Engine E4B-00-000-BHY DA42.
 2. Performed Annual inspection I/A/W 14 CFR part 43 Appendix D using Diamond DA42 AMM and Austro Engine Maintenance Manual as references.
 3. Engine ground run performed pre-inspection and engine data downloaded.
 4. Oil change performed: Drained oil and removed oil filter. Inspected oil filter for contamination with no defects noted. Installed, torqued, and safety wired new oil filter as required. Engine serviced with oil as required. Installed P/N E4A-52-000 - kit-100 hour, Installed (7) P/N 5W30LT - Aeroshell.
 5. Removed and replaced fuel filter with new filter p/n: WK724/3.
 6. Gear box oil filters removed and inspected for particles, none found. Gear box oil drained and sampled, no particles found on magnetic drain plug. Reinstalled filter and drain plug. Filled gear box with 2.3L of Shell Spiral S6-GXME 75W-80 oil.
 7. Visually inspected alternator, engine wiring harness and sensors, rear belt drive system, cylinder head drain, full fuel system, waste gate controller, exhaust system, and engine breather line. No defects noted.
 8. Cooling system inspected. Coolant mixture ratio tested good. Verified proper operation of coolant tank pressure relief valve. Ops check good.
 9. Alternate air and cabin heat systems both inspected and verified for proper operation.
 10. Air intake and turbo charging system inspected. Removed, cleaned, serviced and reinstalled K&N air filter assembly. V-Band clamp on turbo charger inspected for defects, none found.
 11. Inspected engine mounts for cracks, deterioration, or loose hardware.
 12. Performed post-maintenance engine ground run. Performed leak check, none found. Downloaded EECU engine data.
 13. All routine service items performed.
 14. All applicable AD's through this date.

09/02/2025

Austro E4-B S/N: E4-B-00192

N442AD

Hobbs: 2108.7

Tach: 2528.2

TSN: 0.0




N442AD **Austro E4-B S/N: E4-B-00193** **09/02/2025**

Hobbs: 2108.7 Tach: 2528.2 TSN: 0.0

1. Removed and replaced LH engine with new as required. Removed S/N: E4-B-00193, Installed S/N: E4-B-06138. Installed P/N E4B-00-000-BHY - Austro Engine E4B-00-000-BHY DA42.
2. Performed Annual inspection I/A/W 14 CFR part 43 Appendix D using Diamond DA42 AMM and Austro Engine Maintenance Manual as references.
3. Engine ground run performed pre-inspection and engine data downloaded.
4. Oil change performed: Drained oil and removed oil filter. Inspected oil filter for contamination with no defects noted. Installed, torqued, and safety wired new oil filter as required. Engine serviced with oil as required. Installed P/N E4A-52-000 - kit-100 hour, Installed (7) P/N 5W30LT - Aeroshell.
5. Removed and replaced fuel filter with new filter p/n: WK724/3.
6. Gear box oil filters removed and inspected for particles, none found. Gear box oil drained and sampled, no particles found on magnetic drain plug. Reinstalled filter and drain plug. Filled gear box with 2.3L of Shell Spiral S6-GXME 75W-80 oil.
7. Visually inspected alternator, engine wiring harness and sensors, rear belt drive system, cylinder head drain, full fuel system, waste gate controller, exhaust system, and engine breather line. No defects noted.
8. Cooling system inspected. Coolant mixture ratio tested good. Verified proper operation of coolant tank pressure relief valve. Ops check good.
9. Alternate air and cabin heat systems both inspected and verified for proper operation.
10. Air intake and turbo charging system inspected. Removed, cleaned, serviced and reinstalled K&N air filter assembly. V-Band clamp on turbo charger inspected for defects, none found.
11. Inspected engine mounts for cracks, deterioration, or loose hardware.
12. Performed post-maintenance engine ground run. Performed leak check, none found. Downloaded EECU engine data.
13. All routine service items performed.
14. All applicable AD's through this date.

I certify that this engine (L/H) has been inspected in accordance with an Annual Inspection, and that this engine has been determined airworthy and is approved for return to service.

James T. Markey A&P 3166872

James T. Markey A&P 3166872

I certify that this propeller (L/H) has been inspected in accordance with an annual inspection, and that this propeller has been determined airworthy and is approved for return to service.

1. Performed Annual inspection I/A/W 14 CFR part 43 Appendix D using Diamond DA42 AMM and MT Propeller Maintenance Manuals as references.
2. Inspected propeller blades, hub, attachment bolts, propeller governor and unfeathering accumulators. No defects noted.
3. All routine service items performed.
4. All applicable AD's through this date.
5. Removed LH propeller and sent to M&T for overhaul. Received and re-installed propeller after overhaul as required.

09/02/2025
MT Propeller MT-V-G-R-C-F/CF187-129 S/N: 070079
N442AD

Hobbs: 2108.7

Tach: 2528.2

TSN: 2211.3

TSMOH: 0.0