

# ENGINEERING RECORD

28

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
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10/24/2012 8:40:00 AM N401WS  
 Serial: 1057  
 Avanti P180  
 Hobbs Meter: 884.8 TTAF: 2999.2  
 Landings: 2805

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1. AD 2000-07-11: Complied with AD 2000-07-11 IAW with SB 80-0187 sec2 by visual insp by mirror and boroscope No leaks or bent tubes noted next 1034.2 hobbs.
2. Concorde RG-380E/40L battery Subsequent Inspection: Complied with Concorde subsequent inspection no faults noted
3. ELT inspection FAR 91.207 (part of 1 year items): New 406 ELT installed ops check good
4. FAR 91.411: New 406 ELT installed ops check good
5. FAR 91.413: New 406 ELT installed ops check good
6. ELT Battery- Battery pack replacement: New 406 ELT installed ops check good expires 9/21/2014
7. Handheld Fire Extinguishers : Inspected bottles as required for charge and unobstruted nozzles weigh was checked and In compliance with FPA 1 yr bottle inspection
8. 5-20-00 - "A" Check: Complied with an A check items IAW P180 MM Chap 5 rev 8-17-12
9. 5-20-00 - "B" Check: Complied with an B check items IAW P180 MM Chap 5 rev 8-17-12
10. 5-20-00 - "C" Check: Complied with an C check items IAW P180 MM Chap 5 rev 8-17-12
11. 5-20-00 - "D" Check: Complied with an D check items IAW P180 MM Chap 5 rev 8-17-12
12. 5-20-00 - 1 Month Items: Complied with an 1month check items IAW P180 MM Chap 5 rev 8-17-12
13. 5-20-00 - 1 year items: Complied with an 1 yr check items IAW P180 MM Chap 5 rev 8-17-12
14. 5-20-00 - 100 hour items (chip detectors inspection): Complied with 100hr check items IAW P180 MM Chap 5 rev 8-17-12
15. 5-20-00 - 1050 hour items (replace P3 air filters): Complied with 1050 hr check items IAW P180 MM Chap 5 rev 8-17-12 P3 filters replaced during Engine overhaul
16. 5-20-00 - 2 year items: Complied with 2 yr check items IAW P180 MM Chap 5 rev 8-17-12
17. 5-20-00 - 3 month items: Complied with 3 month check items IAW P180 MM Chap 5 rev 8-17-12
18. 5-20-00 - 450 hour items (3A inspection): Complied with a 3A check items IAW P180 MM Chap 5 rev 8-17-12
19. 5-20-00 - 5 year items: Complied with an 5yr check items IAW P180 MM Chap 5 rev 8-17-12
20. 5-20-00 - 6 month items: Complied with an 6mth check items IAW P180 MM Chap 5 rev 8-17-12
21. 5-20-00 - Chip detector bridge inspection: Complied with chip Bridge inspections no faults found
22. 5-20-00 - Fuel pump inlet screen inspection: Inlet Screen changed @ Overhaul
23. 5-20-00 - LH and RH engine minor inspection per P&WC mm 72-00-00: Complied with @ overhaul
24. 36-10-00 - Cabin door seal pressurization line, hose: complied with as part of replacement
25. 21-20-00 - Door Pressure Hoses-Replace: Pressure hose replaced ops chk good
26. 21-30-00 - Primary outflow valve filter- Replace: Installed new filter as part of D check
27. 21-51-00 - Freon air conditioner cabin compartment blower-Overhaul: Installed Overhauled blower motor P/N ES61100-1 S/N 328 connected and ops checked good
28. 21-51-00 - Freon air conditioner motor-Replace brushes and bearings: Installed Overhauled blower motor P/N ES61100-1 S/N 328 connected and ops checked good
29. 25-00-00 - First Aid Kit Inspection: Inspected First Aid kit as req'd
30. 27-30-00 - AD 2010-23-01 Elevator Hinge Corrosion: Complied with AD 2010-23-01 and SB80-0262 part A,B by visual insp no corrosion noted.
31. 28-20-00 - Fuel booster pumps-Overhaul: R&R boost pumps for overhaul on W/O 7574 with Fleet Support P/N 1C12-43 S/n 1AU4, 1AU2.
32. 28-20-00 - Standby fuel booster pumps-Overhaul: R&R standby boost pumps for overhaul on W/O 7574 with Fleet Support P/N 1C12-43 S/n 1AU9, 4AU47
33. 28-20-00 - Fuel filter element- Replace: Fuel filter element replaced as req'd Leak chk good
34. 29-10-00 - Hydraulic power pack motor-Overhaul: Installed overhauled Hyd pak motor P/N 29-1-3 S/N on 328
35. 29-10-00 - RCCB K31- Replace: Installed new K31 relay P/N SM600BA100A1 S/N on 112323 S/N off 63429
36. 30-10-00 - Wing anti ice valves-Overhaul: Wing anti ice valves overhauled by mfg P/N BYLB -51824 S/N on LH 226 on RH 140 ops chkd good
37. 32-10-00 - Main Landing Gear Actuators-Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC PN 1143460001 LH SN M/DAG/38 01 RH PN 114346002 SN M/DAG/38 01
38. 32-10-00 - Main Landing Gear Drag Braces-Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC PN 201418001 LH SN M/DAG/42/1 RH PN 201418002 SN M/DAG/35/1
39. 32-10-00 - Main Landing Gear- Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC PN 201416006 LH SN M/DAG/40/01 RH PN 201416005 SN M/DAG/39/01
40. 32-20-00 - Nose Landing Gear Actuator-Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC 114067004 sn M DRG/22/93
41. 32-20-00 - Nose Landing Gear Drag Brace-Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC PN 201050002 sn M/DAG 40/01
42. 32-20-00 - Nose Landing Gear-Overhaul: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC PN 201033002 M/DAG 42/01
43. 32-40-00 - Left Nose Landing Gear Wheels-Overhaul: Wheel sent for overhaul AIR WO # 3076 P/N 3-1460 S/N on 0239



# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

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- 44. 32-40-00 - Right Main Landing Gear Wheels-Overhaul: Wheel sent for overhaul AIR WO # 3078 P/N 3-1461-1 S/N on 0481
- 45. 32-40-00 - Right Nose Landing Gear Wheels-Overhaul: Wheel sent for overhaul AIR WO # 3078 P/N 3-1460 S/N on 0213
- 46. 32-50-00 - AD 2009-21-08R1: Complied with AD 2009-21-08R1 by visual and operational insp. as prescribed in 5880-0249 sec2a no defects found next due 1034.2
- 47. 32-50-00 - Steering actuator pn 114068003-Overhaul : Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC 114067004 sn M DRG/22/93
- 48. 32-50-00 - Steering Filter-Replace: Replaced nose steering filter installed new orings leak chk good
- 49. 32-50-00 - Steering Manifold-Major Inspection: Gear was removed and sent to AAT CRS GQRR443L and repaired under W/OLG29199 LG29198 LG29200 All components returned to original position on AC 114180003 sn DH-0002
- 50. 35-20-00 - Oxygen cylinder assy. Overhaul and hydrostatic test: O2 bottle R&R as req'd sent to ATR on W/O 27247 for Hydro and overhaul of bottle and valve P/N 895-11040 S/N on ALT372-3144/731 installed serviced leak chkd and ops chkd
- 51. 35-20-00 - Oxygen system filler valve- functional test: Ops tested valve ops check good
- 52. 35-20-00 - Oxygen system filler valve-Overhaul: O2 bottle R&R as req'd sent to ATR on W/O 27247 for Hydro and overhaul of bottle and valve P/N 895-11040 S/N on ALT372-3144/731 installed serviced leak chkd and ops chkd
- 53. 61-40-00 - Propeller RPM transducer-Overhaul: Removed and sent for overhaul Farem transducer P/N 15TG02TYP1542 S/N 0174 and 0184 installed with new gaskets and leak and ops check good.
- 54. 72-00-00 - Left Engine-Overhaul: Engines overhauled by PWC see engine logs
- 55. 72-00-00 - Right Engine- Overhaul: Engines overhauled by PWC see engine logs
- 56. 72-06-30 - Left Engine- Hot Section Inspection: Engines overhauled by PWC see engine logs
- 57. 72 - Hot Section Boroscope (Recommended): Engines overhauled by PWC see engine logs
- 58. 72 - Hot Section Boroscope Inspection (Recommnd): Engines overhauled by PWC see engine logs
- 59. 72-06-30 - Right Engine- Hot Section Inspection: Engines overhauled by PWC see engine logs
- 60. 73-20-00 - Left Engine FCU Air Filter: Complied with at engine overhaul
- 61. 73-20-00 - Right Engine FCU Air Filter: Complied with at engine overhaul
- 62. 73-30-00 - Engine fuel pump filter-Replace: Complied with at engine overhaul
- 63. 79-20-00 - Engine oil filter-Replace: Complied with at engine overhaul
- 64. 77-10-00 - Engine RPM transducer-Overhaul: Removed and sent for overhaul Farem transducer P/N 15TG02TYP1542 S/N 0185 and 0157 installed with new gaskets and leak and ops check good.
- 65. 79 - AD 2010-21-08 LH Engine Dipsticks: Complied with AD IAW 2010-21-00 IAW P180 SB80-2087 Rev 1 sec 2A by visual and resistance inspection next due 11/25/12
- 66. 79 - AD 2010-21-08 RH engine Dipstick: Complied with AD IAW 2010-21-00 IAW P180 SB80-2087 Rev 1 sec 2A by visual and resistance inspection next due 11/25/12
- 67. 79-21-00 - AD 2010-21-09 Oil lines to Fuel Heater: Complied with ad 2010-21-09 by visual insp to determine proper spacing between all oil lines and fuel heater iaw sb80-0178 rev 1 sec 2a no desrpencies noted next due 1034.8 hobbs
- 68. : Complied W/SB 80-0318 rev.2 by installing mod kit 80-0318 to outboard screwjacks including Screwjack covers and hardware.
- 69. : Installed new nose wheel tires P/N 070-310-0 LH S/N 1288500182 R/H S/N 1285500494
- 70. : Installed new main cabin door seal P/N 80-117609-001
- 71. : Removed for repair Hyd fluid level sensor P/N EM2098-2453849 S/N on 353
- 72. LH and RH engine fuel nozzles inspection (recommended item): Complied with at engine overhaul
- 73. Left Fuel Control Unit: Complied with at engine overhaul
- 74. Right Fuel Control Unit: Complied with at engine overhaul
- 75. : Installed new ELT 405 Part# E-04 S/N 5490 ELT was installed iAW ACK Tech install manual #E04 rrev 1.6 dated 2/12/11 and IAW AC43.13-1B chap 11 and AC43.13-2B ELT was mounted on existing rack and antenna mount. Grounds and ops ck made ops good.

I CERTIFY THAT THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS INSPECTED AND/OR REPAIRED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

Flagship Private Air [Redacted]

William Hobbfield JR bill@flagshipprivateair.com [Redacted]

This entry has been digitally signed on the AircraftLogs system IAW AC 120-78, and requires no further action.



10/30/2012 8:00:00 AM N401WS  
 Serial: 1057  
 Avanti P180  
 Hobbs Meter: 886.1 TTAF: 2999.5  
 Landings: 2807

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- 1. RVSM Recertification: Complied with RVSM Certification by Toledo Jet on MTR CRS# 21JR420B RVSM is return to service.
- 2. : Found Autofeather indication intermitten. ound bent pin on Low pressure switch left engine. repaired pin and installed new cannon plug with existing plug pins and wires P/N MS3126FB-335

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