

PRESTART	DA42 NORMAL CHECKLIST
1. PREFLIGHT INSPECTION-----	1. <u>COMPLETE</u>
2. CHOCKS-----	2. <u>REMOVED</u>
3. BAGGAGE / DOORS-----	3. <u>SECURED</u>
4. CHARTS/DOCUMENTS-----	4. <u>ONBOARD</u>
5. A/C OPERATIONAL EQUIP-----	5. <u>PER AFM 2.13</u>
6. SEAT BELTS-----	6. <u>FASTENED</u>
7. PASSENGER BREIF-----	7. <u>COMPLETED</u>
8. RUDDER PEDALS-----	8. <u>ADJUST / LOCKED</u>
9. CANOPY-----	9. <u>SECURE</u>
10. ELT-----	10. <u>ARMED</u>
11. EMERGENCY SWITCH-----	11. <u>OFF / GAURDED</u>
12. LIGHTS-----	12. <u>OFF</u>
13. ECU SWAP-----	13. <u>AUTO</u>
14. ALTERNATORS-----	14. <u>ON</u>
15. PITOT HEAT-----	15. <u>OFF</u>
16. ENGINE MASTERS-----	16. <u>BOTH OFF</u>
17. ELECTRIC MASTER-----	17. <u>OFF</u>
18. AVIONICS MASTER-----	18. <u>OFF</u>
19. GEAR SELECTOR-----	19. <u>DOWN</u>
20. CIRCUIT BREAKERS-----	20. <u>CHECKED</u>
21. ALTERNATE AIR-----	21. <u>SECURED</u>
22. MANUAL GEAR EXTENTION--	22. <u>SECURED</u>
23. ALTERNATE STATIC-----	23. <u>OFF</u>
24. FLIGHT CONTROLS-----	24. <u>FREE / CORRECT</u>
25. RUDDER TRIM-----	25. <u>CHECK / SET</u>
26. ELEVATOR TRIM-----	26. <u>CHECK / SET</u>
27. PARKING BRAKE-----	27. <u>SET</u>
28. BRAKE PRESSURE-----	28. <u>CHECKED</u>
29. POWER LEVERS-----	29. <u>IDLE</u>
30. FUEL SELECTORS-----	30. <u>ON</u>
31. AVIONICS MASTER-----	31. <u>OFF</u>
32. *EXTERNAL POWER-----	32. <u>CONNECT</u>
33. ELECTRICAL MASTER-----	33. <u>ON</u>
34. FLAPS-----	34. <u>LDG</u>
35. VARIABLE BACKSTOP-----	35. <u>CHECKED</u>
36. FLAPS-----	36. <u>UP</u>
37. *DEICE TEST-----	37. <u>*ON</u>
38. *WINDSHIELD DEICE-----	38. <u>*PUMP 1+2 CHECK</u>
39. G1000 INIT and DATABASE	39. <u>ACKN / CURRENT</u>
40. G1000-----	40. <u>BACK UP MODE</u>
41. MFD ENGINE / FUEL-----	41. <u>QTY CHECK / SET</u>
42. MFD ENGINE / FUEL-----	42. <u>NOTE T.I.S.</u>
43. FUEL TEMP-----	43. <u>MIN-30°C to MAX+75°C</u> <u>(MIN-5°C if Diesel Fuel or Diesel/Jet Blend used)</u>
44. MFD ENGINE / SYSTEM-----	44. <u>CHECK BATT VOLT</u>
45. *ANNUNC DEICE PRESS LO ---	45. <u>*CHECKED ON</u>
46. *ICELIGHTS-----	46. <u>*ON/ INSP /OFF</u>
47. *DEICE TEST-----	47. <u>*OFF</u>
48. *DEICE CAUTION/ALERT---	48. <u>*EXTINGUISHED</u>
49. POSITION LIGHTS-----	49. <u>ON</u>

ENGINE START	DA42 NORMAL CHECKLIST
1. LH ENGINE MASTER----- 2. ANNUCIATION GLOW ON----- 3. PROPELLER----- 4. START KEY----- 5. OIL PRESSURE----- 6. IDLE RPM----- 7. WARM UP----- 8. *EXTERNAL POWER----- -----PROP CLEAR----- -----RH REPEAT START 1-7----- 9. SYSTEM PAGE----- 10. CIRCUIT BREAKERS----- **STARTER LIMITS 10 SEC ON / 20 SEC OFF 6 ATTEMPTS THEN 30 MIN OFF	1. <u>ON</u> 2. <u>ON—THEN OFF</u> 3. <u>CLEAR</u> 4. <u>START-MIN 500RPM</u> 5. <u>GREEN /3 SEC</u> 6. <u>900 +/- 20 rpm</u> 7. <u>2 MIN IDLE</u> 8. <u>*DISCONNECT</u> 9. <u>CHECKED</u> 10. <u>CHECKED IN</u>
AFTER START	
1. FUEL SELECTORS----- 2. FUEL QUANTITY GAUGE----- 3. FUEL SYSTEM PAGE----- 4. FUEL SELECTORS----- 5. AVIONICS MASTER----- 6. PITOT HEAT TEST----- 7. GEAR / FIRE----- 8. L ECU FADEC TEST----- 9. R ECU FADEC TEST----- 10. L ECU SWAP TEST----- 11. R ECU SWAP TEST----- 12. FLAPS----- 13. AUTOPILOT----- 14. ELEVATOR TRIM----- 15. RUDDER TRIM----- 16. COCKPIT LIGHTING----- 17. ANNUNCIATOR----- 18. G1000-----	1. <u>X FEED L/R</u> 2. <u>SUFFICIENT FUEL</u> 3. <u>FUEL QTY SET</u> 4. <u>ON L/R</u> 5. <u>ON</u> 6. <u>+AMPS--THEN OFF</u> 7. <u>TEST</u> 8. <u>HOLD TEST</u> 9. <u>HOLD TEST</u> 10. <u>ECU B, then AUTO</u> 11. <u>ECU B, then AUTO</u> 12. <u>UP</u> 13. <u>TEST</u> 14. <u>SET T/O</u> 15. <u>SET NUETRAL</u> 16. <u>AS REQ.</u> 17. <u>NO ALERTS</u> 18. <u>OUT OF BACK UP MODE</u>

BEFORE TAKE OFF	DA42 NORMAL CHECKLIST
1. WEATHER----- 2. CLEARANCE----- 3. ALTIMETERS (3)----- 4. TRANSPONDER----- 5. VOR TEST 1 AND 2----- 6. GPS FLIGHT PLAN----- 7. WAYPOINTS----- 8. GPS RAIM (GPS ONLY OPS)- 9. AUTOPILOT----- 10. COM / NAV / RMI / CDI----- 11. BUGS- 12. BREIFINGS----- 13. FUEL SELECTORS----- 14. FLAPS----- 15. TRIMS----- 16. CANOPY----- 17. *ICE PROTECTION----- 18. ANNUNCIATOR----- 19. TAXI LIGHT----- 20. PARKING BRAKE-----	1. <u>NOTED</u> 2. <u>OBTAIN AS REQ</u> 3. <u>SET X 3</u> 4. <u>SET</u> 5. <u>+/- 4 DEGREES</u> 6. <u>LOAD</u> 7. <u>VERIFIED</u> 8. <u>AVAILABLE</u> 9. <u>SET</u> 10. <u>TUNE IDENT SET</u> 11. <u>SET</u> 12. <u>T/O/RETURN/DEP</u> 13. <u>ON L/R</u> 14. <u>UP</u> 15. <u>SET T/O NUETRAL</u> 16. <u>CLOSED LOCKED</u> 17. <u>*AS REQ</u> 18. <u>NO ALERTS</u> 19. <u>ON</u> 20. <u>RELEASE</u>
TAXI	
1. BRAKES----- 2. FLIGHT INSTRUMENTS-----	1. <u>TEST</u> 2. <u>TURN CHECKS</u>
LINE UP	
1. CLEARANCE----- On Runway 2. STROBE----- 3. PITOT HEAT----- 4. TRANSPONDER----- Clear T/O 5. LANDING LIGHT 6. POWER CHECK----- 7. SET MAX POWER SPEED KIAS Vr 72	1. <u>SHORT DELAY</u> 2. <u>ON</u> 3. <u>ON</u> 4. <u>AUTO</u> 5. <u>ON</u> 6. <u>50% GAUGES GREEN</u> 7. <u>ADVANCE TO 100%</u>

AFTER TAKE OFF	DA42 NORMAL CHECKLIST
1. GEAR----- 2. FLAPS----- 3. POWER----- 4. GAUGES----- 5. LIGHTS----- SPEED KIAS Vmca 68 / Vy 79 / Vyse 82	1. <u>CONFIRM UP</u> 2. <u>CONFIRM UP</u> 3. <u>SET</u> 4. <u>GREEN</u> 5. <u>AS REQUIRED</u>
CRUISE	
1. POWER----- 2. GAUGES----- 3. FUEL----- 4. ANNUNCIATOR----- 5. LIGHTS----- 6. RAIM----- Max Diff LH/RH Main 5 US GAL	1. <u>SET AS REQ</u> 2. <u>GREEN</u> 3. <u>QTY / BALANCED</u> 4. <u>NO ALERTS</u> 5. <u>AS REQUIRED</u> 6. <u>AS REQUIRED</u>
APPROACH	
1. ALTIMETERS (3)----- 2. GPS RAIM (GPS ONLY OPS)- 3. GPS ARRIVAL APPROACH----- 4. WEATHER / TEMP----- 5. WAYPOINTS / ALTITUDES----- 6. COM / NAV / RMI / CDI----- 7. BREIFING-----	1. <u>SET X 3</u> 2. <u>AVAILABLE</u> 3. <u>LOADED</u> 4. <u>NOTED / TEMP CORRECTED</u> 5. <u>VERIFIED</u> 6. <u>TUNE IDENT SET</u> 7. <u>COMPLETE</u>
PRELANDING	
1. LIGHTS----- 2. ALTIMETERS----- 3. BRAKES----- 4. GEAR HORN----- 5. PARKING BRAKE----- 6. FUEL SELECTORS----- 7. SWITCHES-----	1. <u>ON</u> 2. <u>CONFIRM SET X 3</u> 3. <u>TEST</u> 4. <u>TEST</u> 5. <u>OFF</u> 6. <u>ON L/R</u> 7. <u>AS REQ.</u>
FINAL LANDING	
1. GEAR----- 2. FLAPS----- 3. SPEED----- V REF KIAS W FLAPS UP 85 / APP 82 / LAND 76	1. <u>"DOWN - 3 GREEN"</u> 2. <u>"SET INDICATING"</u> 3. <u>"TARGET"</u>
GO AROUND	
1. POWER----- 2. FLAPS----- 3. SPEED KIAS----- 4. GEAR ----- 5. FLAPS-----	1. <u>MAX</u> 2. <u>APP (as required)</u> 3. <u>MIN 82/CLIMBING</u> 4. <u>UP</u> 5. <u>UP</u>

<u>AFTER LANDING</u>	DA42 NORMAL CHECKLIST
1. LIGHTS----- 2. TIMER -- ENGINE COOLING--- 3. FLAPS----- 4. TRANSPONDER----- 5. PITOT HEAT-----	1. <u>AS REQ</u> 2. <u>START --2 min</u> 3. <u>UP</u> 4. <u>AS REQ</u> 5. <u>OFF</u>
<u>SHUTDOWN</u>	
1. PARKING BRAKE----- 2. POWER LEVERS----- 3. MFD/ENG/SYS----- 4. TRANSPONDER----- 5. AVIONICS MASTER----- 6. ELECTRIC CONSUMERS----- 7. L/R ENGINE MASTERS----- 8. POSITION LIGHTS----- 9. ELECTRIC MASTER----- *DO NOT SHUT ENGINES OFF WITH THE FUEL SELECTORS	1. <u>SET</u> 2. <u>IDLE FOR 2 MIN</u> 3. <u>CHECK T.I.S.</u> 4. <u>OFF</u> 5. <u>OFF</u> 6. <u>OFF</u> 7. <u>OFF</u> 8. <u>OFF</u> 9. <u>OFF</u>
<u>DEP RUNWAY CHANGE</u>	
1. *G1000 PROGRAMMING ----- 2. *GPS RAIM (GPS ONLY OPS) - 3. *WAYPOINTS ----- 4. COM / NAV / RMI / CDI----- 5. HEADING BUG----- 6. ALTITUDE BUG----- 7. DEPARTURE BREIFING-----	1. <u>LOAD DEPARTURE</u> 2. <u>AVAILABLE</u> 3. <u>VERIFIED</u> 4. <u>TUNE IDENT SET</u> 5. <u>SET</u> 6. <u>SET</u> 7. <u>REVIEW</u>
<u>BREIFING ITEMS</u>	
• APP / DEP PROCEDURE • EQUIP REQ AND XCHECK • WX • RUNWAY COND / LIGHTING • ALTITUDES / MINIMUMS • TEMP CORRECTIONS • MISSED APP / RNWY EXIT • THREATS	

