

BEFORE EXTERIOR INSPECTION

1. Seat Safety Pin..... INSTALLED & CLEAR(BOTH)
2. Ejection Handle CHECKED(BOTH)
3. ISS Mode Select..... SOLO
4. CFS Pin Storage Box CLOSED & LATCHED
5. CFS Handle Safety Pin INSTALLED(BOTH)
6. STARTER Switch..... NORM(BOTH)
7. IGNITION Switch..... NORM(BOTH)
8. AVIONICS MASTER Switch..... OFF
9. EVAP BLWR control..... OFF(BOTH)
10. Circuit Breakers..... IN(BOTH)
11. PCL..... CHECKED OFF(BOTH)
12. Gear Handle DOWN(BOTH)
13. Brake Reservoir..... CHECKED
14. STBY ATT IND CAGED & LOCKED(BOTH)
15. FW Shutoff Handle ... DOWN GUARD IN PLACE
16. AUX BATT TEST
17. AUX BATT switch..... ON
 - a) STBY instruments CHECKED(BOTH)
 - b) Backup UHF ON CHECKED OFF
 - c) Fire Warning Sys Test..... FIRE 1(BOTH)
 - d) CWS & AEDD NOT FUNCTIONING(BOTH)
18. AUX BATT OFF
19. BATT Switch..... ON
20. BATT Volt..... CHECKED VOLTS
21. Fuel Quantity LEFT RIGHT TOTAL
22. USAF ONLY
23. FDR Light CHECKED
24. Seat Height..... ADJUSTED(BOTH)
25. BATT Switch..... OFF
26. CFS Donor Assembly..... CHECKED(BOTH)
27. Ejection Seat – [Check independently]
 - a) CFS Attach Bolt..... Check
 - b) Top Latch mechanism..... Check
 - c) Parachute Riser & IR..... Check
 - d) Powered inertia reel lock release plunger. Check
 - e) Lap Straps Check
 - f) Leg Restraint Lines Check
 - g) MOR handle Down & Locked
 - h) O2 Hoses/Comm Cords Check
 - i) SSK MAN 2 CABLES
 - j) Ejection Seat O2 Supply PSI
28. Gust Lock CHECKED(BOTH)
28. Gust Lock STOWED
29. Flight Pubs STOWED(BOTH)

COCKPIT (ALL FLIGHTS)

1. Strap in COMPLETE, Atch 6 PTS(BOTH)
2. BATT switch ON, VOLTS
3. Anti-suffocation valve CHECKED(BOTH)
4. External power AS REQ(VOLTS)
5. Seat height ADJUSTED(BOTH)
6. Rudder pedals ADJUSTED(BOTH)
7. Flight controls CHECKED(BOTH)
8. System test panel:
 - a. LAMP test switch..... CHECKED(BOTH)
 - b. Audio sys test..... OVR SPD, GEAR WARNING
 - c. AOA system test:
 - (1) LOW AMBER DONUT, 10.5U
 - (2) HIGH GREEN Chevron, shaker, 18U
 - d. Fire warning sys:
 - (1) FIRE1 FIRE1(BOTH)
 - (2) FIRE2..... FIRE2(BOTH)
9. Flaps UP
10. Exterior lights..... OFF
11. TRIM DISCNCT NORM(BOTH)
12. Interior lights..... OFF/SET
13. TRIM AID switch OFF
14. Trim operation CHKD, RUDD RTTL(BOTH)
15. EMER LDG GR handle STOWED
16. GPS power switch..... ON
17. Clock SET
18. Accelerometer RESET
19. Audio panel SET
20. STBY Flight Instruments CHECKED
21. STBY Mag Comp CHECKED, Heading
22. ELT switch..... ARMED
23. TAS switch STBY
24. AHRS mode control switch SLAVED
25. Parking brake RESET
26. Chocks REMOVED
27. GEN switch..... OFF (BOTH)
28. FUEL BAL switch AUTO
29. MANUAL FUEL BAL switch OFF
30. AVIONICS MASTER switch OFF
31. BUS TIE switch NORM
32. PROBES ANTI-ICE ON CHECKED OFF
33. Boost pump ON CHECKED ARM
34. PMU switch NORM
35. DEFOG switch..... OFF
36. EVAP BLWR control OFF/SET (BOTH)
37. AIR COND switch..... OFF
38. BLEED AIR INFLOW switch OFF
39. PRESS switch NORM
40. RAM AIR FLOW switch..... OFF
41. TEMP CONTROL switch..... AUTO

HIGH IOAT at START >80° C

1. PCL OFF
2. PMU RESET
3. PMU switch..... OFF
4. Propeller Area CLEAR
5. STARTER switch..... MANUAL 20s
6. STARTER Switch NORM
7. Repeat Steps 4-6 if IOAT is greater than 80 ° C
8. PMU switch NORM
9. Continue with Engine Start

ENGINE START (AUTO) <80° C

1. Canopy Rail..... Rail Clear Box Closed
..... CLOSED & LATCHED(BOTH)
2. NAV / Anti-collision lights..... AS REQUIRED
3. PMU FAIL/STATUS ANNUN EXTINGUISHED
4. PCL ST READY
5. Propeller area CLEAR(BOTH)
6. STARTER switch AUTO/RESET
7. Engine start MONITOR
8. PCL IDLE, MAX ITT
9. EXT power DISCONNECTED/NOT USED

BEFORE TAXI

1. GEN ON, VOLTS, ANNUN EXT
2. BLEED AIR INFLOW NORM
3. EVAP BLWR control SET(BOTH)
4. AIR COND switch..... ON
5. AVIONICS MASTER switch..... ON
6. Oxygen mask ON / SECURE(BOTH)
7. OBOGS .. ON, NORM, NORM GD BLKR (BOTH)
8. TAS TEST, CHECKED, STBY
9. STBY AI UNCAGE & ADJUSTED(BOTH)
10. Anti-G test CHECKED(BOTH)
11. Speed brake EXTENDED LIGHT ON(BOTH)
12. Flaps: (BOTH)
 - a. Landing LDG, SB light OUT(BOTH)
 - b. Takeoff..... T/O(BOTH)
 - c. Speed Brake SB remains UP(BOTH)
13. TRIM AID ON, TAD LT OUT, RUD IN GRN
14. GPS PROGRAMMED & SET
15. Flight instruments CHECKED(BOTH)
16. RMU:
 - a. UHF COM. MEM, Both, CH, STBY
 - b. VHF COM..... CH_PRI, CH, STBY
 - c. Transponder STBY, KATT SET
 - d. VHF NAV ACT, STBY
17. Altimeters SET TWICE(BOTH)
18. Caution & Warning panel CLEAR(BOTH)
19. Landing/Taxi lights..... AS REQUIRED
20. PARKING BRAKE RELEASED

TAXI

1. Transponder XXXX, ALT
2. Nose wheel steering ON
2. Brakes CHECKED(BOTH)
3. Heading/Turn & Slip Ind.... L/R, Tracking in Turns

INSTRUMENT CHECKLIST *

1. AIRSPEED INDICATOR..... 40(BOTH)
2. ALTIMETER set twice, PRI, SEC(BOTH)
3. VSI ZERO(BOTH)
4. EADI ERECT, STABLE, NO FAULTS(BOTH)
5. EHSI ALGND SLVD HDG CMPS (BOTH)
6. NAVAIDS SET
7. EFIS SET
8. CLOCK..... SET, TIME IS

OVERSPEED GOVERNOR CHECK

1. Brakes HOLD
2. PCL IDLE
3. PMU switch OFF
4. PCL ADVANCE %Np
5. PCL ADVANCE %Np
6. PCL IDLE
7. PMU switch NORM

BEFORE TAKEOFF

1. Min Power at 60 KIAS % TORQUE
2. Speed brake RETRACTED
3. Flaps T/O
4. Trim SET FOR TAKEOFF
5. Fuel quantity & balance L, R, T
6. Engine instruments CHECKED
7. Amps Volts (≥27) and Amps (≤+50)
8. DEFOG switch OFF
9. Seat safety pin ...REMOVED & STOWED(BOTH)
10. ISS mode selector..... BOTH

LINEUP CHECK

1. Caution & Warning lights CLEAR(BOTH)
2. PROBES ANTI-ICE switch..... ON
3. Transponder SQWK, ALT
4. TAS switch NORM
5. Exterior Lights ON
6. Nose wheel steering OFF

AFTER TAKEOFF

1. Gear UP(BOTH)
 2. Flaps UP(BOTH)
- “GR up, FLPs up at xxx knots. After Takeoff Checklist Complete” (BOTH)

OPERATIONS CHECK

1. Hydraulic pressure psi
2. Electrical system Volts, _____ Amps
3. Fuel Quantity & Balance..... L, R, T
4. OBOGS GOOD BLINKER(BOTH)
5. Engine instruments..... CHECKED
6. Pressurization..... Cockpit Altitude __, Press __
7. Nearest Divert

CLIMB (PASSING 10,000 FEET)

1. OBOGS Good Blinker(BOTH)
2. DEFOG switch..... As Req
3. Vent control lever As Req
4. Pressurization.....Cockpit Altitude __, Press __

FL 180 CHECK*

1. Altimeter 29.92 set twice(BOTH)
2. Pressurization.....Cockpit Altitude __, Press __

Pre-Stall/Spin/Aerobatic Checks

1. Loose itemsSTOWED(BOTH)
2. Engine instruments..... CHECKED
3. Fuel balance CHECKED < 50 LBS

DESCENT

1. Heading & attitude sys CHECK (BOTH)
2. Altimeters SET TWICE(BOTH)
3. DEFOG switch..... As Req
4. Vent control lever As Req

BEFORE LANDING

1. DEFOG switch..... OFF
2. Engine instruments..... CHECKED
3. Gear..... DOWN(BOTH)
4. Brakes CHECKED
5. Flaps..... AS REQ(BOTH)
6. Speed brake RETRACTED

AFTER LANDING

1. ISS mode selector SOLO
2. Seat safety pins INSTALLED(BOTH)
3. Flaps..... UP
4. Trim interrupt button..... DEPRESSED
5. Trim SET FOR TAKEOFF
6. Transponder..... AS REQUIRED
7. STBY Al..... Caged & Locked(BOTH)
8. TAS switch STBY
9. Probes Anti-Ice switch..... OFF
10. Bleed Air Inflow OFF

ENGINE SHUTDOWN

1. PARK BRAKE SET
2. Landing / Taxi Lights OFF
3. Transponder STBY
4. AVIONICS MASTER OFF
5. RAM Air Flow OFF
6. AIR COND switch..... OFF
7. EVAP BLWR control OFF (BOTH)
8. OBOGS NORM, NORM, OFF (BOTH)
9. PCL OFF (IDLE > 60 SEC)
 - a. CANOPY CLEAR(BOTH)
10. Interior/exterior lights..... OFF
11. PMU STATUS ANNUN EXT
12. FDR light EXT
13. GEN, BATT, AUX BATT OFF
14. Gust lock ENGAGED

BEFORE LEAVING AIRCRAFT

1. PARKING BRAKE SET
2. CFS safety pins INSTALLED(BOTH)
3. CFS Pin Storage Box Closed & Latched
4. ISS mode selector SOLO
5. O2 /Com STOWED (BOTH)
6. Wheel chocks INSTALLED
7. Exterior Walk Around

FULL STOP/TAXI BACK

1. FLAPS TO
 2. TRIM..... SET FOR TAKEOFF
 3. TRANSPONDER..... AS REQUIRED
 4. PROBES ANTI-ICE OFF
 5. FUEL QUANT/BAL CHECK
 6. ENGINE INSTRUMENTS CHECK
 7. DEFOG..... OFF
 8. MIN PWR 60 KIAS % TORQUE
- AFTER CLEARED ONTO RUNWAY
9. Caution and Warning LIGHTS CLEAR(BOTH)
 10. PROBES ANTI-ICE ON
 11. TRANSPONDER..... ALT
 12. EXT. LIGHTS ON
 13. NWS OFF