

COCKPIT (ALL FLIGHTS)

1. Strap in.....UPPERS, LOWERS, LEGS, COMPLETE
2. Bat.....ON, VOLTS
3. Regulator anti-suffocation valve.....CHECKED
4. External power.....SIGNAL...CONNECTED, VOLTS
5. Seat height.....ADJUSTED
6. Rudder pedals.....ADJUSTED
7. Flight controls.....CLEAR, FREE & CORRECT
(pass controls aft)
8. Fire detection system.....FIRE 1, CHECK 1
FIRE 2, CHECK 2
9. Lamp test.....CHECKED
10. Flaps.....UP
11. Exterior lights.....OFF
12. Trim DISCONNECT.....NORM
13. Interior lights.....SET
14. TRIM AID.....OFF
15. Trim operation.....(check ail/eltvtr then green, rudder stays left of green).....CHECKED (BOTH)
16. EMER LDG GR handle.....CHECK STOWED
17. Clock.....SET
18. UFCP lower panel switches...(all switches down).....SET
19. Audio panel.....(VOX, Comm 1/2).....SET
20. DEFOG.....OFF
21. ELT.....ARM
22. PARKING BRAKE.....RESET
23. Chocks.....SIGNAL...REMOVED
24. Gen.....OFF
25. FUEL BAL.....AUTO
26. MANUAL FUEL BAL.....OFF
27. AVIONICS MASTER.....OFF
28. BUS TIE.....NORM
29. PROBES ANTI-ICE.....CHECKED, OFF
30. BOOST PUMP.....CHECKED, ARM
31. PMU.....NORM
32. EVAP BLWR.....OFF
33. AIR COND.....OFF
34. BLEED AIR INFLOW.....OFF
35. PRESSURIZATION.....NORM
36. RAM AIR FLOW.....OFF
37. TEMP CONTROL.....AUTO

COCKPIT ALL FLIGHTS CHECKLIST COMPLETE

HIGH IOAT AT START (>80° C)

1. PCL.....Verify OFF
2. PMU.....RESET IF NECESSARY
3. PMU.....OFF
4. Propeller Area.....CLEAR
5. STARTER.....MANUAL for 20 SECONDS MAX
6. STARTER.....NORM
7. Repeat steps 4-6 if IOAT is greater than 80° C
8. PMU.....NORM
9. Continue with Engine Start

ENGINE START (AUTO)

1. Canopy.....RAIL CLR, CLSD & LATCHED, LT OUT
2. Navigation & Anti-collision lights.....ON
3. PMU FAIL/PMU STATUS message...EXTINGUISHED
4. PCL.....(wait 3 seconds).....START READY
5. Propeller area.....SIGNAL...CLEAR
6. STARTER switch.....AUTO/RESET
7. Engine Start.....LIGHT OFF (at ITT rise), N1 60%
8. PCL.....IDLE, MAX ITT
9. External power.....SIGNAL...DISCONNECTED

ENGINE START CHECKLIST COMPLETE

MOTING RUN PROCEDURE

(Perform after any aborted start. Motor engine to clear residual fuel and/or lower ITT)

1. PCL.....OFF
2. IGNITION.....NORM
3. Propeller Area.....SIGNAL...CLEAR
4. STARTER.....MANUAL for 20 SECONDS
5. STARTER.....NORM

BEFORE TAXI

1. GEN.....ON, VOLTS, WARNING EXTINGUISHED
2. AUX BAT.....ON
3. BLEED AIR INFLOW.....NORM
4. EVAP BLWR.....ON or OFF
5. AIR COND.....ON
6. AVIONICS MASTER.....(10 sec/amps stable).....ON
7. OBOGS.....ON
8. Oxygen mask.....ON & SECURE
9. OBOGS.....ON, NORMAL, NORMAL, GOOD BLINKER
10. Anti-G test.....CHECKED
11. System test panel
 - a. Lamp Test.....CHECKED
 - b. AOA
 - (1) LOW.....AMBER DONUT, 10.5 UNITS
 - (2) HIGH.....GREEN CHEVERON, STICK SHAKER, 18 UNITS
 - c. ALTITUDE
 - d. LDG GR
 - e. OVR SPD
 - f. OVR G
 - g. BINGO FUEL.....TEST
12. Speed brake.....SIGNAL.....LIGHT ON
13. Flaps
 - a. LANDING.....SIGNAL...FLPS LDG, SPD BRK LIGHT OUT
 - b. TAKEOFF.....SIGNAL...FLPS T/O
 - c. SPEED BRAKE.....SPD BRK DOES NOT EXTEND, CHECKED
14. TRIM AID.....(TAD It out/Trim in green).....ON
15. Nose wheel steering.....ON
16. Parking brake.....RELEASED
17. Brakes.....CLEAR L/R/F...SIGNAL...CHECKED
(pass controls/salute lineman after aft check/reset parking brake)
18. TCAS.....ON/TEST
19. UFCP AND MFD
 - a. Database, location & alignment.....(accomplish with sub step f)
 - b. UHF SWITCHING CH1, (Get ATIS)
SWITCHING CH2, "N. Clearance, Call Sign, NSE2
on request, ready to copy"
 - c. VHF.....CH4 or CH16, SET
 - d. VOR.....CH1, SET
 - e. Transponder.....STANDBY
 - f. FMS & FLT NO
-INIT REF > IDENT (current database) > POS IDENT (page 1 & 3)
> SETUP (disable SUA alerts) > ROUTE > FLT NO (enter c/s)
-Left MFD to toggle TSD/NAV (leave in NAV with 5 NM)
-PFD source > VOR / BP 1 > VOR / CDI course > Rwy Hdg / Hdg
bug > Dep Hdg / BP 2 > FMS / Reset G meter...SET & CHECKED
 - g. Altitude, G, speed, fuel flags...(PFD key, G reset & Bingo).....SET
20. Flight instruments.....CHECKED
21. ALTIMETERS.....SET AND CHECKED TWICE
22. EICAS Display.....CHECKED, (call what's on display)
23. Landing & taxi lights.....ON

BEFORE TAXI CHECKLIST COMPLETE

"N. Ground, Call Sign, parking spot, taxi with information XXXXX"

Once clearance to taxi is given

"N. Ground, Call Sign, taxi to alternate/primary run-up, Wilco"

(Taxi 5-7 kts in line area / 10-12 kts outside line area)

TAXI

1. Transponder.....Standby or Active
1. Heading & turn/slip indicators.....CHECKED

TAXI CHECKLIST COMPLETE

OVERSPEED GOVERNOR CHECK

1. Brakes.....HOLD
2. PCL.....(Verify N1 at 60-61%).....IDLE
3. PMU...(turn off, N1 60% or above & PMU Fail/Status msgs) ...OFF
4. PCL.....(advance & verify 100±2 & 30±5% Torque).....100% Np
5. PCL.....(advance PCL slightly).....WITHIN LIMITS
6. PCL.....IDLE (verify idle N1 stable 60% or above)
7. PMU.....NORM (PMU Fail/Status out, Np 46-50%, & N1 60-61%)

OVERSPEED GOVERNOR CHECKLIST COMPLETE

BEFORE TAKEOFF

1. Minimum power at 60 KIAS.....100%
2. Speed brake.....RETRACTED
3. Flaps.....TAKEOFF
4. Trim.....SET FOR TAKEOFF
5. Fuel quantity & balance.....LBS, CHECKED
6. Engine instruments.....CHECKED
7. DVR control.....NOT REQUIRED
8. Amps.....LESS THAN 50 AMPS
9. DEFOG.....OFF
10. Seat safety pin.....REMOVED & STOWED
11. ISS mode selector...(aft calls solo/both)...ROGER ____
BEFORE TAKEOFF CHECKLIST COMPLETE
SWITCHING BASE, "Base, Call Sign is outbound"
After Base answers call:
SWITCHING CH3, "N. Ground, Call Sign, primary/alt run-up,
request further taxi"
After GND gives clearance to taxi, repeat it back
200 ft prior hold short line:
SWITCHING CH4
When #1 or #2 holding short of rwy:
"N. Tower, Call Sign, rwy xx, #1 ready for departure"
After TWR gives takeoff clearance:
"N. Tower, Call Sign, cleared for takeoff rwy xx"

LINEUP CHECK "LT PANE"

1. Exterior lights.....ON
2. Transponder.....ACTIVE
3. PROBES ANTI-ICE.....ON
4. Nose wheel steering.....OFF
5. EICAS display.....CHECKED

LINEUP CHECKLIST COMPLETE

Move stick to proper position and say:

"Winds are right to left/left to right, Cleared for takeoff"

Bring power up to 30% Torque:

"Instruments Checked"

Look down rwy, heels to floor, release brakes, max power, right pedal

"60 KNOTS, 100% Torque, Fuel Flow < 800 / 90 KNOTS, Rotate"

AFTER TAKEOFF

1. Gear.....(check alt/vsi for climb).....TWO POSITIVE RATES, GEAR
2. Flaps.....(verify above 110 kias).....ABOVE 110, FLAPS
"GEAR UP, FLAPS UP, AT KNOTS"

CLIMB (PASSING 10,000 FEET) "Old Dead Vice Pres"

1. OBOGS.....GOOD BLINKER
2. DEFOG.....ON or OFF
3. Vent control lever.....CANOPY or FOOT
4. Pressurization system.....COCKPIT ALTITUDE ____, DELTA P ____

OPERATIONS CHECK "HE-FOE PP"

1. Hydraulic pressure.....PSI
2. Electrical system.....Volts, Amps
3. Fuel quantity/balance...LBS TOTAL, BALANCED, FUEL FLOW < 800
4. OBOGS.....GOOD BLINKER
5. Engine instruments.....CHECKED
6. Pressurization.....COCKPIT ALTITUDE ____, DELTA P ____, CHECKED
"NEAREST AIRFIELD IS ____"

OPERATIONS CHECKLIST COMPLETE

PRE-STALL, SPIN, AND AEROBATIC CHECKS "Leaf"

1. Loose items.....STOWED
2. Engine instruments.....CHECKED
3. Fuel balance.....BALANCED, within 50 LBS
PRE-STALL, SPINNING, AEROBATIC CHECKLIST COMPLETE

DESCENT "Pam's a Diva"

1. PFD.....CHECKED, NO FAULTS
2. Altimeters.....SET TWICE
3. MASTER ARM.....SAFE
4. DEFOG.....ON or OFF
5. Vent control lever.....CANOPY or FOOT

DESCENT CHECKLIST COMPLETE

BEFORE LANDING "Triangle flow"

Slow aircraft below 150 KIAS then:

"Below 150, GEAR" (IP responds with "Clear")

Lower landing gear handle & flaps and call for checklist

1. DEFOG.....OFF
2. Engine instruments.....CHECKED
3. Gear.....DOWN
4. Brakes.....CHECKED
5. Flaps.....UP/TAKEOFF/LANDING
6. Speed brake.....RETRACTED

LANDING CHECKLIST COMPLETE

AFTER LANDING

1. ISS mode selector.....(aft calls "SOLO").....ROGER SOLO
2. Seat safety pin.....INSTALLED
3. Probes anti-ice.....OFF
SWITCHING CH3, "N. Ground, Call Sign, return"
After N. Ground answers call:
"Call Sign, Wilco"
4. Flaps.....UP
5. Trim inrtpt.....(TAD/TRIM OFF MSG, TAD switch off)...DEPRESSED
6. Trim.....SET FOR TAKEOFF
7. Transponder.....STANDBY
8. TCAS.....STANDBY
9. BLEED AIR INFLOW.....OFF

AFTER LANDING CHECKLIST COMPLETE

ENGINE SHUTDOWN

1. PARKING BRAKE.....SET
2. Landing & taxi lights.....OFF
SWITCHING BASE, "Base, Call Sign, return"
3. Transponder.....STANDBY
4. AVIONICS MASTER.....OFF
5. RAM AIR.....OFF
6. AIR COND.....OFF
7. EVAP BLWR.....OFF
8. Oxygen Mask.....REMOVED
9. OBOGS.....NORMAL, NORMAL, OFF
10. PCL.....(idle > 60 sec)...OFF

While prop is winding down:

"Canopy - RAIL CLEAR" (open the canopy)

11. Canopy.....RAIL CLEAR...RAIL CLEAR...(open canopy)
12. PMU STATUS message.....EXTINGUISHED
13. FDR light.....EXTINGUISHED
14. Gust lock...(install, lock rudder pedal to left)...ENGAGED
15. Interior/Exterior lights.....(when prop stops)...OFF
13. GEN, BAT, & AUX BAT.....OFF

ENGINE SHUTDOWN CHECKLIST COMPLETE

BEFORE LEAVING AIRCRAFT

1. CFS handle safety pins.....INSTALL
2. DVR/DTS cartridge.....REMOVE (as req)
3. ISS mode selector.....SOLO
4. Oxygen hose/comm cord.....LOOP FWD
5. HUD combiner cover.....INSTALL (as req)
6. Wheel Chocks.....INSTALL (as req)
7. PARKING BRAKE.....As Req
8. CANOPY.....CLOSED (as req)
9. Ext walk-around inspection.....Visually check
"2 PINS IN, OFF, NORMAL, NORMAL"

AFT cockpit responds with: 2 pins in, Off, Normal, Normal, Solo

"ROGER SOLO"

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