

FRONT COCKPIT INTERIOR CHECK

Left Console

1. VOL MICS panel – SET
 - a. Volume knobs – AS DESIRED.
 - b. MIC switch – ON.
2. EXT LT panel – SET
 - a. ANTI-COLLISION – ON.
 - b. POSITION lights – AS DESIRED.
 - c. VERT TAIL FLOOD – AS DESIRED.
3. Fuel control panel – SET.
 - a. Conformal tank switch – STOP TRANS.
4. CAS switches – ON.
5. Miscellaneous control panel – SET.
 1. Inlet ramp switches – AUTO.

Instrument Panel

1. FUEL knob – TANK 1.

Right Console

1. Oxygen system – CHECK AND SET.
 - a. Oxygen supply lever – FULLY ON.
2. Engine control panel – SET.
 - a. Generator switches – ON.
 - b. Emergency generator switch – AUTO.
 - c. ENG CONTR switches – ON.
 - d. JFS starter switch – ON.
 - e. Engine master switches – ON.
 - f. EXT PWR switch – AS REQUIRED.
3. Air conditioning control panel – SET.
 - a. Temperature control switch – AUTO.
 - b. Air source knob – BOTH.
4. INTERIOR panel – SET.
 - a. Interior lights controls – AS DESIRED.
 - b. Warning and caution lights – TEST.

REAR COCKPIT INTERIOR CHECK

Left Console

1. Intercom set control panel – SET.
 - a. Volume knobs – AS DESIRED.
 - b. MIC switch – ON.
2. EW control panel – SET AS REQUIRED.
3. Sensor control panel – SET.
 - a. TGT FLIR power switch – OFF.
 - b. LASER switch – SAFE.

Right Console

1. Oxygen system – CHECK AND SET.
 - a. Oxygen supply lever – FULLY ON.
2. INTERIOR panel – SET.
 - a. Interior lights controls – AS DESIRED.
3. Warning and caution lights – TEST.

STARTING ENGINES

JFS START

1. JFS handle – PULL AND RELEASE.
2. Starter READY light – ON (within 10 sec; 15 sec if temperature below -18°C/0°F).
3. Fire extinguisher switch – TEST. Observe the AMAD fire warning light on and voice warning activated.

ENGINE START

1. Right engine finger lift – RAISE AND RELEASE. This engages the JFS to the engine.
2. EMD RPM display – OBSERVE INDICATING.
3. Fire extinguisher switch – TEST. Check all fire lights on and voice warnings activated.
4. Throttle – IDLE (20% RPM).
5. Engine instruments – CHECK.
6. JFS deceleration – CONFIRM.
7. Fire extinguisher switch – TEST. (Check AB BURN THRU warning lights).
8. RADIOS – ON.
9. EMER BST ON caution – OBSERVE ON.
10. Total fuel quantity – CHECK.
11. Hydraulic caution light – CHECK.
12. Slipway door – CHECK (if AAR is planned).
13. Left engine – START.
14. Engine instruments – CHECK.
15. JFS – CONFIRM OFF; JFS SWITCH ON.
16. ECS – CHECK.

BEFORE TAXIING (FRONT COCKPIT)

1. Canopy – CLOSE IF REQUIRED (WAIT 10 SEC BEFORE LOCKING).
2. MPDs/MPCD – ON.
3. HUD – ON.
4. Holding Brake – ON.
5. Sensor control panel – SET.
 - a. NAV FLIR power switch – AS REQUIRED.
 - b. Radar power switch - AS REQUIRED.
 - c. Radar altimeter power switch – AS REQUIRED.
 - d. TF radar power switch – AS REQUIRED.
 - e. JTIDS – NORM.
 - f. INS – ALIGN (See INS alignment procedures)

INS may be switched to NAV after OK approximately 4 min for GC, 40 sec for SH).

6. Flight Controls – CHECK.
 - a. T/O Trim button – PUSH UNTIL DEPARTURE WARNING TONE BEEPS.
7. Avionics – AS REQUIRED.
8. Fuel quantity gauge – CHECK.
 - a. Tank quantity – CYCLE.
 - b. BINGO bug – SET.
9. CFT switch – NORM.
10. PACS – PROGRAM AS REQUIRED.
11. MPD/MPCD – PROGRAM AS DESIRED.
12. Master Modes – PROGRAM (if desired).
13. Radar power switch – ON.
14. Flaps – DOWN.
15. Speed brake – CYCLE.
16. INS mode knob – NAV (when aligned).
17. Cautions/Warnings – CHECK OFF.
18. Standby attitude indicator – CAGED THEN UNCAGED.
19. Altimeter – SET AND CHECK.

BEFORE TAXIING (REAR COCKPIT)

1. Warning and caution lights – TEST.
2. MPD's/MPCD's – ON.
3. INS – INSERT PP, CONFIRM ALIGN.
4. Avionics – AS REQUIRED.
5. Sensor control panel – SET.
 - a. TGT FLIR – As required.
 - b. LASER switch – SAFE.
6. EW panel – SET.
 - a. RWR – COMBAT.
 - b. ICS – AUTO.
7. Radar – PROGRAM/VERIFY MODES.
8. PACS – PROGRAM AS REQUIRED.
9. Oxygen – CHECK.
10. TEWS panel – SET.
 - a. ICS – ON.
 - b. RWR – ON.
 - c. EWWS – ON.
11. CMD panel – SET.
 - a. CHAFF/FLARE – AS DESIRED.
 - b. MODE knob – STBY.
12. Standby attitude indicator – CAGE THEN UNCAGE.
13. Altimeter – SET AND CHECK.

BEFORE TAXIING

1. (P) Inlet ramp switches – AS REQUIRED.
2. (P) Holding brake – OFF.
3. (P) Brakes – CHECK.
4. (P) Nose gear steering – CHECK.
5. (BOTH) Flight instruments – CHECK.

If taxiing is required before INS alignment is complete and the aircraft is stationary again before takeoff, place the holding brake ON to continue the alignment.

BEFORE TAKEOFF

1. (P) Holding brake – ON.
2. (P) Inlet ramp switches – CONFIRM AUTO.
3. (BOTH) Ejection control safety lever – ARMED.
4. (W) Command select valve – AS BRIEFED.
5. (BOTH) Flight controls – CHECK FREE.
6. (BOTH) Flaps – CHECK DOWN.
7. (P) T/O TRIM – CHECK.
If the aircraft is manually trimmed nose down from takeoff trim, nosewheel lift-off speed may be increased.
8. (BOTH) Canopy – CHECK CLOSED AND LOCKED.
9. IFF – ON.
10. (P) Radar – ON.
11. (W) TGT pod – STBY, CONFIRM STOWED.
12. (P) PITOT HEAT/ENG HEAT – ON AS REQUIRED.

CAUTION

Do not turn the ENG HEAT switch ON unless flying in conditions susceptible to icing. Once clear of icing conditions, turn the ENG HEAT switch OFF.

13. (BOTH) Warnings, cautions, BIT lights, and circuit breakers – CHECK.
14. (P) INS – NAV.
15. (BOTH) UFC – SELECT PP keeping source AS DESIRED.
16. (P) Holding brake – OFF.

BEFORE LANDING

1. (BOTH) Landing gear – DOWN AND VERIFY.
2. (BOTH) Flaps – AS REQUIRED.
3. (P) Hydraulics – CHECK.
4. (P) Landing light – ON.
5. (P) ANTI-SKID – NORM.
6. (P) Holding brake – OFF.

AFTER LANDING

1. (BOTH) Ejection controls safety lever – LOCKED.
2. (W) Command selector valve – NORMAL.
3. (P) ANTI-SKID – OFF BELOW 30 KNOTS.
4. (P) Speed brake – IN.
5. (P) Flaps – UP.
6. (P) IFF modes – DESELECT.
7. (P) Mode 4 crypto switch – HOLD
MOMENTARILY AND RETURN TO NORM.
8. (P) Radar power knob – STBY.
9. (P) TF radar – OFF.
10. (P) Trim – T/O.
11. (P) Landing/taxi light – AS REQUIRED.
12. (P) Formation lights – OFF.
13. (P) Pitot heat and windshield switches – OFF.
14. (P) ENG HEAT – AS REQUIRED.
15. (P) Radar power knob – OFF.
16. (P) Mode 4 selector switch – OUT.
17. (BOTH) INS – UPDATE (if position known).

HOT REFUELING

Before Refueling –

1. After landing checklist - COMPLETE.
2. (P) Holding brake – ON.
3. (BOTH) Avionics – AS REQUIRED.
4. (P) Anti-collision lights – OFF.
5. (P) Slipway switch – OPEN.
6. (P) MPDP/AIU 1 – OFF 5 SEC THEN ON.
7. Either throttle – AS DIRECTED.
8. (P) Inoperative engine master switch – OFF.
9. UHF #2 – VERIFY ON.
10. (BOTH) Canopy – CLOSED.
Hot refueling with the canopy closed provides maximum protection in the event of a fire.
11. (BOTH) Fuel quantity – NOTE.
1. (P) Slipway switch – OPEN (if required).
2. INS – UPDATE.
3. (BOTH) LANTIRN pods – OFF.
4. (P) INS – OFF (obtain mission data).
5. (BOTH) Avionics – OFF (AAI, ILS, TACAN, SENSORS, HUD, TEWS, RADAR)
Turn avionics OFF, including systems on the UFC, before shutting down engines to prevent false BIT warnings on the status panel.
6. (BOTH) Oxygen system – OFF.
7. (P) Throttles – OFF.
(15 seconds after INS OFF)

During Refueling –

12. (BOTH) Keep hands visible to refueling supervisor. Be prepared to shut down engine and evacuate aircraft or taxi clear of area as directed by ground crew if emergency occurs.

After Refueling –

13. Fuel quantity indicator – CHECK AND NOTE TOTAL QUANTITY.
14. (P) Slipway switch – CLOSED.
15. (P) External lights – AS REQUIRED.
16. (BOTH) Avionics – AS REQUIRED.

ENGINE SHUTDOWN