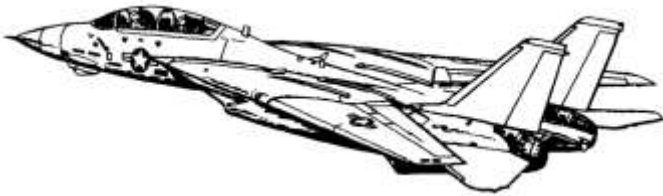




RIO POCKET CHECKLIST
NAVY MODEL
F-14A/B
AIRCRAFT

BY HEATBLUR SIMULATIONS
FOR DIGITAL COMBAT SIMULATOR



NAVAIR 01-F14AAP-1B

COCKPIT PROCEDURES

INTERIOR INSPECTION — RIO

1. OXYGEN Check
2. VENT AIRFLOW thumbwheel OFF
3. SYS TEST - SYS PWR ground
check panel..... Closed
4. KY-28 or KY-58..... P/OFF
5. ICS panel Set
 - a. VOL knob As Desired
 - b. Amplifier NORM
 - c. Function selector COLD MIC
6. TACAN function selector..... OFF
 - a. Channel Set
 - b. Mode switch Set
 - c. VOL knob Counterclockwise
7. U/VHF MODE selector OFF
8. LIQ COOLING switch OFF
9. EJECT CMD lever Set
10. ARMAMENT control panel..... Set
 - a. WPN type thumbwheel OFF
 - b. ATTK MODE knob MAN
 - c. DLVY MODE switch STP
 - d. DLVY MODE switch SGL
 - e. ELECT FUZE knob Safe
 - f. A/G GUN switch OFF
 - g. MECH FUZE switch Safe
 - h. SEL JETT switch Safe.
 - i. JETT OPTIONS switch MER TER.
 - j. INTERVAL Set

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- k. QTY Set
- l. Station select switches 1 to 8 Safe
- m. MSL OPTIONS switch NORM
- n. MSL SPD GATE knob NOSE QTR
- 11. Standby attitude gyro Caged
- 12. NAV MODE knob OFF
- 13. Clock Set and Wind
- 14. WCS switch OFF
- 15. IR/TV power switch OFF
- 16. RECORD switch OFF
- 17. RADAR WARNING RCVR PWR switch OFF
- 18. DECM selector knob OFF
- 19. AN/ALE-39 PWR/MODE switch OFF
- 20. DATA LINK ON-OFF-AUX ON switch OFF
- 21. APX-76 OFF
- 22. INTERIOR LIGHTS panel Check
- 23. IFF MASTER knob OFF
- 24. MODE 4 switch Out
- 25. IFF ANT and TEST panel SET
 - a. IFF ANT switch Off (center)
 - b. IND LT-DDI BIT switch Off (center)
 - c. GND CLG switch OFF
- 26. RADAR BEACON switch OFF
- 27. RADAR BEACON MODE switch Single or Double
- 28. POWER SYS TEST switch OFF
- 29. DATA/ADF switch OFF

PRESTART — RIO

1. External power and air.....ON

CAUTION

Starting WCS and or displays without external air can cause damage to those systems as external air is used for cooling when no on-board air is available.

2. ICS..... Check
3. DL, TACAN and U/VHF Set
4. Fuel quantity..... Check
5. Lights..... Check
6. LTS test Check

Note

When pilot selects INST test, RIO fuel counter should decrease to 2000 pounds and MASTER CAUTION, FUEL LOW and OXY LOW lights should illuminate.

7. Ejection seats..... Armed
8. CANOPY handle Close
Alert pilot
9. Acknowledge..... Ready to start

ENGINE START

The RIO monitors pilot procedures and plane captain signals to ensure maximum safety during engine start sequence.

POSTSTART — RIO

Note

The RIO will ensure that the EMERG GEN check is completed before commencing post-start procedures.

The ECS should run for at least 3 minutes before avionics and AWG-9 power-up.

1. WCS switch..... STBY
Verify that AWG-9 COND light illuminates.
2. LIQ COOLING switch AWG-9 or AWG-9/AIM-54
Select AWG-9/AIM-54 if AIM-54 is loaded. Verify that AWG-9 COND light goes off and that AUTO BIT 2 is running (on TID).
3. IR/TV power switch STBY/IR/TV
4. CATEGORY knob NAV
5. NAV MODE switch Align
6. Communications..... On and Set
 - a. U/VHF MODE selector T/R G
 - b. DATA LINK switch ON
7. TACAN function selector..... T/R
8. RADAR WARNING RCVR panel Set
 - a. Display type switch..... NORM
 - b. PWR switch ON
 - c. TEST switch SPL
 - d. MODE button LMT

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9. DECM knob STBY
 - a. When STBY light goes off, select hold 3 SEC, then ACT for OBC.
10. IFF MASTER knob STBY
11. AUTO BIT 2 Verify Complete (on TID)
12. CAP Enter own aircraft latitude, longitude and field or ship elevation
13. Altimeter.....Reset
14. CAP Enter desired data, WP, FP, etc.
15. DDD Set
16. TID controls Set
 - a. CONTRAST Set
 - b. BRIGHT control Set
 - c. CLSN OFF
 - d. ALT NUM ON
 - e. SYM ELEM..... ON
 - f. DATA LINK As Required
 - g. JAM strobe As Required
 - h. NON ATTK..... As Required
 - i. LAUNCH ZONE..... As Required
 - j. VEL VECTOR As Required
 - k. RANGE scale As Required
17. Multiple display indicator..... Set
 - a. TEST button.....Depress and Check
 - b. BRIGHTNESS..... Set
18. DATA/ADF switch BOTH
19. Hand control panel Set
 - a. Light testDepress and Check
All AWG-9 lights should illuminate.
 - b. El Vernier Set 0° elevation on radar

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- 20. AN/ALE-39 Set
 - a. BURST QTY As Desired
 - b. BURST INTV As Desired
 - c. SALVO QTY As Desired
 - d. SALVO INTV As Desired
- 21. CANOPY DEFOG-CABIN AIR lever..... CABIN AIR
- 22. D/L reply As Required
- 23. AAI control panel Set
 - a. TEST/CHAL CC switch TestCheck DDD display.
- 24. Indicator lights..... Test
- 25. DDI BIT Test
- 26. After alignment complete:
 - a. NAV mode INS
 - b. Program restart Depress
 - c. STBY/READY lights OFF
 - d. TID NAV mode INS
- 27. DEST data Verify
- 28. BRG/DIST to destination Check
- 29. OWN A/C groundspeed Check
- 30. MAG VAR Check
- 31. KY-28/KY-58..... As required
- 32. Standby attitude gyro..... Erect
- 33. Notify pilot Ready to taxi

TAXI — RIO

- 1. OWN A/C groundspeed Check on ECMD

TAKEOFF CHECKLIST

RIO CHALLENGE

1. "BRAKES"
2. "FUEL TOTAL _____ lb"
3. "CANOPY CLOSED, LOCKS ENGAGED, LIGHT OUT, STRIPES ALIGNED, HANDLE IN CLOSE POSITION"
4. "SEAT — ARMED TOP AND BOTTOM COMMAND EJECT _____ (as briefed), STRAPPED IN SIX WAYS"
5. "STAB AUG"
6. "ALL CIRCUIT BREAKERS SET"
7. "MASTER TEST SWITCH"
8. "BIDIRECTIONAL"
9. "COMPASS, STANDBY GYRO, TURN NEEDLE, AND ALTIMETER"

PILOT REPLY

"CHECK OK. ACCUMULATOR PRESSURE UP"
 "NORMAL FEED, AUTO-TRANSFER DUMP OFF, TRANSFER CHECKED, TOTAL _____ WINGS/EXT _____ AFT AND LEFT _____ FORWARD AND RIGHT _____ FEED TANKS FULL BINGO SET. _____"
 "CLOSED, LOCKS ENGAGED, LIGHT OUT, SEAL INFLATED, HANDLE IN CLOSE POSITION"
 "ARMED TOP AND BOTTOM, PILOT/MCO IN WINDOW (as indicated), STRAPPED IN SIX WAYS"
 "ALL ON"
 "ALL IN"
 "OFF"
 "NORMAL"
 "COMPASS SYNCHRONIZED, STANDBY GYRO ERECT, GOOD TURN NEEDLE, ALTIMETER SET (LOCAL SETTING)"

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CV – Approaching CAT on Director's Signal

- | | |
|---|--|
| 10. "WINGS" (visually checked) | "20°, AUTO, BOTH LIGHTS OUT" |
| 11. "FLAPS AND SLATS" (visually checked) | AS REQUIRED |
| 12. "SPOILERS AND ANTISKID" | "SPOILER MODULE ON, SPOILER BRAKES SELECTED" (field)
"SPOILER MODULE ON, SPOILER BRAKES OFF" (CV) |
| 13. "TRIM" | "SET 0,0,0" (field)
"AS REQUIRED" (CV) |
| 14. "HARNES — LOCKED" | "LOCKED" |
| 15. "CONTROLS" (RIO visually check for full spoiler deflection) | "FREE, 33_ AFT STICK, FULL SPOILER DEFLECTION, LEFT AND RIGHT, HYDRAULICS 3,000 PSI" |
| 16. "ALL WARNING AND CAUTION LIGHTS OUT" | "ALL WARNING AND CAUTION LIGHTS OUT" |
| ASHORE — In Takeoff Position | |
| 17. "ANTISKID/SPOILER BRAKES" | "BOTH" (if operable) |

ASCENT CHECKLIST

At level-off or 15,000 feet (whichever occurs first):

1. Cabin pressurization Check
2. Fuel transfer..... Check

PRELAND AND DESCENT

1. HOOK/HOOK BYPASS.....As Desired
2. Exterior lightsAs Desired
3. Compass/BDHICheck With Mag Compass
4. Wing-sweep mode switch.....As Desired
5. ANTI SKID SPOILER BK switchBOTH
(if operable, CV-OFF)
6. Altimeter..... Set
7. Radar altimeter On/BIT Check
8. Fuel quantity and distribution..... Check
9. Armament..... Safe
10. CANOPY DEFOG/CABIN AIR lever..... DEFOG
11. ANTI-ICE switch AUTO/OFF
12. PDCP Set
13. ARA-63/ACLS ON/BIT Check
14. DECM switch STBY
15. AN/ALE-39 OFF

WARNING

If LAU-7 mounted stores are loaded, perform steps 16 and 17 with the aircraft in a safe area and headed in a direction where inadvertent gun firing would not cause damage.

16. WEAPON SELECT Cycle to GUN, Then OFF

WARNING

If HOT TRIG light illuminates with MASTER ARM switch OFF, perform step 17.

17. STA 1/8 AIM-9 REL PWR cb (6D4, 6D3) Pull

18. WCS switch STBY

WARNING

The RIO should place WCS switch to STBY on final approach to prevent unnecessary exposure of flight deck personnel to RF radiation hazards.

LANDING CHECKLIST

1. Wing-sweep mode switch.....20° AUTO
2. Wheels Three DN (check transition light out)
3. STAB AUG switchesAll ON
4. Flaps Full DN
5. DLCChecked
6. HookAs Desired
7. HarnessLocked
8. Speedbrakes EXT (out)
9. Brakes Check
10. Fuel..... Check

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POSTLANDING — RIO

1. Ejection seat Safe
2. EJECT CMD lever PILOT
3. RADAR BEACON switch OFF
4. IFF Mode 4 Hold, Then OFF
5. DATA LINK switch OFF
6. DECM switch OFF
7. TID NAV MODE switch OFF
8. RECORD switch OFF
Requires 10 seconds to allow tape to unthread prior to
removal of electrical power.
9. IR/TV power switch OFF
10. WCS switch OFF
11. LIQ COOLING switch OFF
12. Standby attitude gyro Cage
13. U/VHF MODE selector OFF
14. Report Ready for Shutdown

After shutdown of both engines:

15. CANOPY handle OPEN (Alert pilot)
16. Flightcrew Egress