

Aerosoft F-14A/B

Volume 2

Checklists

Version 12 January 2014

RECORD OF REVISIONS

[illegible]

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PRE-START

- [] PARKING BRAKE SET
- [] THROTTLES OFF
- [] MASTER GEN OFF
- [] EMERG GEN OFF
- [] HYD TRANS PUMP SHUTOFF
- [] EMERG FLT HYD AUTO (LOW)
- [] INLET RAMPS STOW
- [] FLAP HANDLE UP
- [] MASTER TEST SWITCH OFF
- [] WING SWEEP MODE EMERGENCY
- [] WING SWEEP SET OVERSWEEP ⇒ 75°
- [] CABIN LIGHTING SET
- [] ENG/PROBE ANTI-ICE OFF
- [] WINDSHIELD OFF
- [] BEACON ON
- [] EXTERNAL STORES SET
- [] FUEL QUANTITY CHECKED
- [] EXT POWER CONNECTED
- [] MASTER TEST SWITCH OFF
- [] MASTER TEST SWITCH LTS
- [] MASTER TEST SWITCH FIRE DET/EXT
- [] MASTER TEST SWITCH INST
- [] MASTER TEST SWITCH OFF
- [] EJECTION SEATS ARMED
- [] CANOPY CLOSED
- [] SW COOL (ACM PANEL) OFF
- [] MSL PREP (ACM PANEL) OFF
- [] MSL MODE (ACM PANEL) NORM
- [] REFUEL PROBE EXTEND ⇒ RETRACT
- [] LADDER LIGHT OFF
- [] REFUEL PROBE RETRACT
- [] AIR SOURCE OFF
- [] STARTER AIR ON
- [] ENG CRANK(CYCLE) LEFT ⇒ OFF ⇒ RIGHT ⇒ OFF
- [] EMERG FLT HYD(CYCLE) LOW ⇒ HIGH ⇒ AUTO (LOW)

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ENGINE START

- [] ENG CRANK(CYCLE) RIGHT
- [] R THROTTLE IDLE (After 18% N1)
- [] R MASTER GEN ON
- [] R GEN (Caution Light) OUT
- [] R FUEL PRESS (Caution Light) OUT
- [] R FUEL PRESS (Caution Light) OUT
- [] R ENGINE INST CHECK
 - R N1 RPM 63 to 74%
 - R TIT 600°C
 - R FUEL FLOW 1,100lb/hr
 - R NOZ Position 5
 - R OIL PRESS 40-50psi
 - R HYD PRESS 3,000psi
- [] EXT POWER DISCONNECT
- [] HYD TRANS (CHECK)
 - ENG CRANK LEFT
 - HYD TRANS PUMP NORMAL
 - ENG CRANK OFF
 - HYD TRANS PUMP SHUTOFF
- [] ENG CRANK (CYCLE) LEFT
- [] L THROTTLE..... IDLE (After 18% N1)
- [] L MASTER GEN..... ON
- [] L GEN (Caution Light) OUT
- [] L FUEL PRESS (Caution Light) OUT
- [] L FUEL PRESS (Caution Light) OUT
- [] L ENGINE INST CHECK
 - L N1 RPM 63 to 74%
 - L TIT 600°C
 - L FUEL FLOW 1,100lb/hr
 - L NOZ Position 5
 - L OIL PRESS 40-50psi
 - L HYD PRESS 3,000psi
- [] STARTER AIR DISCONNECT
- [] AIR SOURCE (CYCLE) L ENG ⇄ R ENG ⇄ BOTH
- [] GROUND SAFETY PINS REMOVE

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POST START

- [] PITCH STAB AUG ON
- [] ROLL STAB AUG ON
- [] YAW STAB AUG ON
- [] MASTER TEST SWITCH EMERG GEN
- [] VMCU..... CHECK
- [] EMERG WING SWEEP 68°
- [] WING /EXT TRANS OFF
- [] MASTER RESET PRESS
- [] UHF TR+G or BOTH
- [] TACAN..... T/R
- [] ARA-63 ON
- [] Displays..... ON
- [] Radar Alt ON
- [] TRIM SET 0,0,0
- [] STANDBY GYRO..... ERECT
- [] MASTER RESET PRESS
- [] MASTER TEST MACH LEV
- [] SPEEDBRAKE EXTEND ⇌ RETRACT
- [] REFUEL PROBE EXTEND ⇌ RETRACT
- [] WSHLD AIR..... CYCLE
- [] MASTER TEST OFF
- [] EMERG WING SWEEP 20°
- [] EMERG WING SWEEP STOW (Auto Mode)
- [] MASTER RESET PRESS
- [] EXTERNAL LIGHTS SET
- [] FLAPS AND SLATS..... DOWN
- [] SPOILER CHECK
 - FLIGHT CONTROLS CYCLE
 - DLC ON
 - ANTISKID SPOILER BK
 - MASTER TEST STICK SW
 - ANTISKID OFF
 - FLAPS AND SLATS UP
- [] MANEUVER FLAPS DOWN
- [] WING SWEEP ROCKER CHECK
 - AFT (MAN) >55°
 - MANEUVER FLAPS..... AUTO-RETRACT
 - BOMB 55°
 - AUTO 20°

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TAXI

- ☐ DISPLAYS CHECK
- ☐ ALTIMETER SET
- ☐ COMPASS CHECK
- ☐ FLIGHT INSTRUMENTS CHECK
- ☐ NOSE STRUT KNEEL ⇌ RETRACT
- ☐ ARRESTING HOOK EXTEND ⇌ RETRACT
- ☐ INLET RAMPS AUTO
- ☐ NOSEWHEEL STEERING ON
- ☐ PARKING BRAKE RELEASE
- ☐ TURN/SLIP INDICATOR CHECK
- ☐ ORDNANCE SAFE

RUN-UP

- ☐ PARKING BRAKE SET
- ☐ THROTTLES MIL
- ☐ MCB TEST LIGHTS OFF
- ☐ ENGINE INST CHECK
 - N1 RPM 99 to 100%
 - TIT 1,080 to 1185°C
 - FUEL FLOW 8,000 to 9,000lb/hr
 - NOZ Position 0
 - OIL PRESS 40-50psi
 - HYD PRESS 3,000psi
- ☐ THROTTLES IDLE

TAKEOFF

- ☐ (Carrier) NOSE STRUT KNEEL
- ☐ (Carrier) HOLDBACK BAR SET
- ☐ FUEL CHECK
- ☐ CANOPY CLOSED
- ☐ STAB AUG ALL CHANNELS ON
- ☐ TRIM 000
- ☐ SWEEP MODE AUTO
- ☐ FLAPS FULL DOWN
- ☐ CONTROLS CYCLE
- ☐ THROTTLES MAX

CLIMB

- ☐ LANDING GEAR RETRACT
- ☐ FLAPS RETRACT
- ☐ RADAR ALT CHECK <5,000ft
- ☐ REFUEL PROBE EXTEND ⇌ RETRACT

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APPROACH

- [] PITCH STAB AUG ON
- [] ROLL STAB AUG ON
- [] YAW STAB AUG ON
- [] ANTISIKD SET
- [] Initial
 - Level Flight Check
 - Altitude 800ft
 - Airspeed 300 to 350 KIAS
 - WING SWEEP MODE MANUAL
 - WING SWEEP SET 68°
 - HOOK SET
- [] Break to Downwind
 - Level Turn..... Check
 - Altitude 800ft
 - Bank 45° to 60°
 - THROTTLES IDLE
 - SPEEDBRAKE EXTEND
- [] Downwind
 - WING SWEEP MODE AUTO
 - LANDING GEAR DOWN
 - FLAPS AND SLATS DOWN
 - DLC SET
 - AUTO-THROTTLE SET (AS DESIRED)
 - Angle of Attack..... 15 units
 - Altitude 800ft ⇌ 600ft
- [] 180° Position
 - Position 1.0 to 1.2 nm past ABEAM (15-20 seconds)
 - Altitude 550ft
- [] 90° Position
 - Bank 25° to 35°
 - Altitude 450ft
- [] Roll into Groove
 - Glideslope -3.5°
 - Altitude at Position 360ft at 3/4 nm

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POST LANDING

- [] SPEEDBRAKE RETRACT
- [] ANTISKID OFF
- [] FLAPS AND SLATS UP
- [] WING SWEEP MODE BOMB
- [] WING SWEEP MODE EMERG
- [] WING SWEEP SET OVERSWEEP ⇒ 75°

- [] AVIONICS OFF
- [] R THROTTLE OFF
- [] POWER LEVER LEFT IDLE
- [] HYD TRANS PUMP OFF
- [] EJECTION SEATS SAFE
- [] ORDNANCE DEARM
- [] WHEELS CHOCKED
- [] PARKING BRAKE ON
- [] UHF OFF
- [] OXYGEN OFF
- [] EJECTION SEATS SAFE
- [] ORDNANCE DEARM
- [] EMERG GEN OFF
- [] ATTITUDE GYRO OFF
- [] L THROTTLE OFF
- [] LIGHTS OFF
- [] CANOPY OPEN

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IN-FLIGHT REFUEL

(SPECIAL)

- ☐] WCS STBY
- ☐] ARMING SWITCHES SAFE
- ☐] DUMP OFF
- ☐] AIR SOURCE L ENG
- ☐] REFUEL PROBE EXTEND
- ☐] WING SWEEP MODE MANUAL
- ☐] WING SWEEP SET ANY

- ☐] STAB DE-ICE PRESS light Left and Right: .. On
- ☐] DE-ICE BOOTS AUT/OFF/MAN As Req.

- ☐] REFUEL PROBE RETRACT
- ☐] PROBE LIGHT..... OFF
- ☐] AIR SOURCE BOTH ENG
- ☐] WING SWEEP MODE AUTO

EMERGENCY WING SWEEP SCHEDULE

(SPECIAL)

- ☐] Mach 0.4 20°
- ☐] Mach 0.7 25°
- ☐] Mach 0.8 50°
- ☐] Mach 0.9 60°
- ☐] Mach 1.0 68°

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COMPRESSOR STALL

(EMERGENCY)

PROCEED UNTIL STALL CLEARS

- [] Unload Aircraft 0.5 to 1.0 g
- [] THROTTLE IDLE
- [] Decelerate <Mach 1.2
- [] TIT <1300°C
- [] THROTTLE OFF

AIR START - WINDMILL

(EMERGENCY)

- [] THROTTLE OFF
- [] Airspeed..... >330 KIAS
- [] RPM >8%
- [] TIT <400°C
- [] FUEL SHUTOFF IN
- [] INLET RAMP STOW
- [] AIRSTART ON
- [] THROTTLE IDLE
- [] AIRSTART NORMAL
- [] INLET RAMP AUTO

AIR START - CROSSBLEED

(EMERGENCY)

- [] THROTTLE OFF
- [] RPM <5%
- [] TIT <400°C
- [] FUEL SHUTOFF IN
- [] INLET RAMP STOW
- [] AIR SOURCE GOOD ENGINE
- [] ENG CRANK BAD ENGINE
- [] THROTTLE IDLE (After 18% N1)
- [] ENG CRANK OFF
- [] INLET RAMP AUTO
- [] AIR SOURCE BOTH

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ENGINE FIRE

(EMERGENCY)

- ☐ FUEL SHUTOFF PULL
- ☐ THROTTLE OFF

HOT START

(EMERGENCY)

- ☐ THROTTLE OFF
- ☐ TIT <400°C

FLAT SPIN - HOSER METHOD

(EMERGENCY)

- ☐ THROTTLES IDLE
- ☐ FLAPS AND SLATS..... RETRACT
- ☐ WING SWEEP MODE EMERG
- ☐ WING SWEEP SET 68°
- ☐ CONTROL INPUT PRO-RECOVERY