

INTERIOR CHECKS**LEFT CONSOLE**

1. FCS GAIN switch - NORM/GUARD DOWN
2. APU switch - OFF
3. PROBE switch - RETRACT
4. EXT TANKS switches - NORM
5. DUMP switch - OFF
6. INTR WING switch - NORM
7. GEN TIE CONTROL switch - NORM/GUARD DOWN
8. EXT LT panel - SET
 - A. EXT LT IDENT knob - NORM
 - B. FORM knob - AS REQD
 - C. POS knob - AS REQD
 - D. STRB switch - BRT/DIM/OFF AS REQD
9. Throttles - OFF
10. External lights master switch - FORWARD
11. BRK PRESS switch - CHECK (2600 psi min)

INSTRUMENT PANEL

1. PARK BRK handle - SET
2. LDG/TAXI LIGHT switch - OFF
3. ANTI SKID switch - Shore - ON, CV - OFF
4. SELECT JETT knob - SAFE
5. FLAP switch - FULL
6. LAUNCH BAR switch - RETRACT
7. LDG GEAR handle - DN
8. CANOPY JETT handle - FORWARD
9. MASTER ARM switch - SAFE
10. L(R) DDI, HUD, and MPCD knobs - OFF
11. COMM 1 and 2 knobs - OFF
12. ALT switch - BARO or RDR
13. ATT switch - AUTO
14. IR COOL switch - OFF
15. SPIN switch - NORM/GUARD DOWN
16. HOOK handle - UP
17. WINGFOLD switch - SAME AS WING POSITION
18. AV COOL switch - NORM

INTERIOR CHECKS (CONT.)**PEDESTAL PANEL**

1. JAMMER switch - OFF
2. RWR switch - OFF
3. DISPENSER switch - OFF
4. AUX REL switch - NORM

RIGHT CONSOLE

1. GEN switches - NORM
2. BATT switch - OFF
3. ECS panel - SET
 - A. MODE switch - AUTO
 - B. CABIN PRESS switch - NORM
 - C. BLEED AIR knob - OFF
 - D. ENG ANTI ICE switch - OFF
 - E. PITOT ANTI ICE switch - AUTO
4. DEFOG handle - MID RANGE
5. WINDSHIELD switch - OFF
6. INTR LT panel - SET
 - A. CONSOLES, INST PNL, and FLOOD knobs - AS DESIRED
 - B. CHART and WARN/CAUT knobs - AS DESIRED
 - C. MODE switch - DAY, NITE, or NVG (as required)
7. Sensor control panel - SET
 - A. FLIR, LTD/R, and LST/NFLR switches - OFF/SAFE/OFF
 - B. INS and RADAR knobs - OFF

ENGINE START CHECKS

1. BATT switch - ON
2. Battery gauge - CHECK
3. Caution Lights Panel - CHECK

IF EXT PWR START

- A. EXR PWR switch - RESET
- B. GND PWR switches 1, 2, 3, 4 - B ON (hold for 3 seconds)
- C. L(R) DDI, HUD, and MPCD knobs - ON
- D. APU switch - ON (READY light within 30 seconds)
- E. COMM 1 and 2 knobs - ON
- F. LT TEST switch - TEST

ENGINE START CHECKS (ALL STARTS)

4. FIRE warning test - PERFORM
5. Forward MPCD and UFCD knobs - ON

IF APU START

- A. APU ACC caution light - VERIFY OFF
- B. APU switch - ON (READY light within 30 seconds)

ENGINE START CHECKS (ALL STARTS)

6. ENG CRANK switch - R
7. Right throttle - IDLE (10% N2 MIN)
8. Maximum transient EGT during start is 871°C
9. Battery gauge - VERIFY 28 VDC
10. L(R) DDI, HUD, and MPCD knobs - ON
11. EFD - CHECK
 - RPM 61% min
 - TEMP 250° to 590°C
 - FF 600 to 900 pph
 - OIL 35 to 90 psi (WARM OIL)
 - NOZ 77% to 83%
12. BLEED AIR knob - NORM
13. LT TEST switch - TEST
14. COMM 1 and 2 knobs - ON
15. Receive all -- ON
16. ENG CRANK switch - L
17. Right throttle - IDLE (10% N2 MIN)
18. ENG CRANK switch - CHECK OFF
19. EFD - CHECK
20. APU - OFF

BEFORE TAXI CHECKS

1. MPCD WYPT 0 and MVAR - CHECK/SET
2. INS knob - CV or GND (PARK BRK SET)
3. RADAR knob - STBY
4. FLIR and LST/FLR switches - AS DESIRED
5. UFCD avionics - TURN ON
 - a. RALT - ON/SET 200 FEET
 - b. TCN - ON, T/R, CH SET
 - c. IFF - ON/MODES UNBOXED

BEFORE TAXI CHECKS (CONT.)

- 6. WINGFOLD switch - SPREAD**
- 7. FCS RESET button - PUSH (verify RSET advisory displayed)**
If no reset (RSET advisory displayed)
 - a. FCS exerciser mode - INITIATE (BIT consent UP/FCS RESET)
 - b. FCS RESET button - PUSH (verify RSET advisory displayed)
- 8. FLAP switch - AUTO**
- 9. Trim - CHECK (check pitch, roll, and yaw for proper movement)**
- 10. T/O TRIM button - PRESS UNTIL TRIM ADVISORY DISPLAYED**
- 11. RDDI -- FCS page**
- 12. Controls - CHECK (tolerance $\pm 1^\circ$)**
 - A. Control stick - CYCLE
 - (1) Full aft - CHECK 24° NU STABILATOR
 - (2) Full fwd - CHECK 20° ND STABILATOR
 - (3) Full L/R - CHECK 30° DIFF STAB (21° with stores)
 - B. FLAP switch - HALF
 - C. Rudder pedals - CYCLE RUDDERS 40° L/R
 - D. FLAP switch - FULL (CV operations)
 - E. TRIM - SET FOR CATAPULT LAUNCH (carrier-based)
- 13. 4 DOWN -- CHECK/CYCLE**
 - A. PROBE
 - B. speedbrake
 - C. LAUNCH BAR
 - D. HOOK handle
- 14. APU - VERIFY OFF**
- 15. BINGO - CHECK/SET**
- 16. ATIS - CHECK**
- 17. Standby attitude reference indicator - UNCAGE AND ERECT**
- 18. Altimeter setting - SET/CHECK**
 - A. Altimeter setting displayed on HUD
 - B. HUD altitude within ± 30 feet of parking spot elevation
 - C. Standby altimeter within ± 60 feet of parking spot elevation
- 19. INS - CHECK**
 - A. INS knob - NAV or IFA
 - B. Verify HUD airspeed indicates less than 50 kts
- 20. TDC cursor - CHECK BULLSEYE**

BEFORE TAXI CHECKS (CONT.)

21. LDDI Select STOR - VERIFY PROPER STORE INVENTORY/STATUS
22. LDDI Select EW - Configure CMDS
23. LDDI Select CHK - VERIFY GROSS WEIGHT
24. LDDI Select HSI - SET NAV MODE, Select SEQ
25. INS knob - NAV
26. ATT switch - AUTO
27. ECM/EW Panel - RWR/DISPENSER/JAMMER ON (in order)
28. LDG/TAXI LIGHT switch - ON (shore) OFF (CV operations)
29. NWS - CHECK ON
30. HMD - ON AS REQD
31. Taxi Clearance - REQUEST

TAXI CHECKS

1. Canopy - FULL DOWN and LOCKED
2. Seat - ARMED
3. Normal brakes - CHECK
4. NWS - CHECK HIGH/LOW MODE
5. CAUTION LIGHTS -- VERIFY

BEFORE TAKEOFF CHECKS

1. LDDI select CHKLST
 - A. FUEL TYPE - VERIFY
 - B. T.O. checklist -- COMPLETE
2. UFCI IFF sublevel - BOX REQD MODES
3. PARK BRK handle - FULLY STOWED
4. RDDI select ENG - CHECK ENGINES AT MIL
 - A. N1 RPM - 86 to 98%
 - B. N2 RPM - 88 to 100%
 - C. EGT - 720 to 932°C
 - D. FF - 11,000 PPH MAX
 - E. NOZ POS - 0 to 45% open
 - F. OIL PRESS - 809 to 150 PSI

AFTER TAKEOFF CHECKS

1. VERIFY POSITIVE CLIMB
2. LDG GEAR handle - UP
3. FLAP switch - AUTO
4. LAUNCH BAR switch - VERIFY RETRACT
5. LDG/TAXI LIGHT switch - OFF
6. RADAR knob - OPR
7. NVD/NVG - ON AS REQD. Xmit "GOGGLE" status

10.000 FOOT CHECKS

1. Cabin altimeter - VERIFY 8000 FEET
2. Fuel transfer - CHECK INTERNAL and EXTERNAL
3. RALT - CHECK/SET to 5,000 FEET
4. Fuel State - REPORT

AIR REFUELING (RECEIVER) CHECKS

1. Radar - STBY/SILENT/EMCOM
2. MASTER ARM switch - SAFE
3. ALE 50 transmit power - OFF (if decoy deployed)
4. INTR WING switch - NORM or as reqd
5. EXT TANK switches - AS REQD
6. PROBE switch - EXTEND
7. Visor - DOWN

Night air refueling

8. Exterior lights - SET FOR REFUELING
9. Tanker lights - REQUEST AS DESIRED

DESCENT/PENETRATION CHECKS

1. RDDI select CHK - VERIFY GROSS WEIGHT
2. Fuel Dump - ABOVE 10000 MSL if required
3. HOOK handle/HOOK BYPASS switch - AS REQD
4. ENG ANTI ICE switch - AS REQD
5. PITOT ANTI ICE switch - AUTO
6. DEFOG handle - HIGH if required
7. WINDSHIELD switch - AS REQD
8. Altimeter setting - CHECK
9. RALT - CHECK/SET
10. LDDI select HSI - NAV MASTER MODE
11. CSEL switch - SET BRC or INBOUND COURSE
12. ILS - ON/CHANNEL SET (if required)
13. Marshal/Stack Clearance - OBTAIN (CV operations)
14. Approach Clearance -- OBTAIN (shore)
15. IFF - AS DIRECTED
16. Exterior lights - SET FOR LANDING
17. RDR knob - STBY NO LATER THAN 10 NM
18. Weapons/sensors - SAFE/OFF AS REQD

BEFORE LANDING CHECKS

1. RDDI Landing CHKS - COMPLETE
2. Report -
 - A. AFT INITIATE
 - B. 3 DOWN AND LOCKED
 - C. FLAPS FULL (HALF)
 - D. AOA CROSS-CHECKED

AFTER LANDING CHECKS

1. HOOK handle - UP (CV operations)
2. Taxi - Past foul line (CV operations)
3. WINGFOLD switch - FOLD (CV operations)
4. Seat - SAFE
5. Flap switch - AUTO
6. T/O TRIM button - PRESS UNTIL TRIM ADVISORY DISPLAYED
7. Canopy - EITHER FULL UP OR FULL DOWN FOR TAXI

BEFORE ENGINE SHUTDOWN CHECKS

1. PARK BRK - SET
2. BIT display - RECORD DEGD/FAIL INDICATIONS
3. RADAR knob - OFF
4. RDDI FCS display -- RECORD BLIN CODES
5. EFD - RECORD MSP CODES
6. INS knob - OFF
7. Standby attitude indicator - CAGE
8. HMD switch - OFF
9. Sensors and avionics -- OFF
10. ECM/EW Panel - RWR/DISPENSER/JAMMER OFF (in order)
11. EXT and INTR LT knobs -- OFF
12. Canopy -- CHECK CLEAR/OPEN

AFTER ENGINE SHUTDOWN CHECKS

1. Brake accumulator gauge -- CONFIRM 3000 PSI
2. NWS steering - DISENGAGE
3. Confirm engine cool down time
4. BLEED AIR knob - OFF
5. Left throttle -- OFF
6. RDDI FCS page - Verify no X'd channel(s)
7. COMM 1 and 2 -- OFF
8. LDDI, RDDI, HUD, and MPCD knobs -- OFF
9. Right throttle -- OFF
10. BATT switch -- OFF