## 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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<tbody>
<tr>
<td>4.</td>
<td>FIRE warning test - PERFORM</td>
</tr>
<tr>
<td>5.</td>
<td>Forward MPCD and UFCD knobs - ON</td>
</tr>
<tr>
<td></td>
<td><strong>IF APU START</strong></td>
</tr>
<tr>
<td></td>
<td>A. APU ACC caution light - VERIFY OFF</td>
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<tr>
<td></td>
<td>B. APU switch - ON (READY light within 30 seconds)</td>
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<tr>
<td>6.</td>
<td>ENG CRANK switch - R</td>
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<tr>
<td>7.</td>
<td>Right throttle - IDLE (10% N2 MIN)</td>
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<tr>
<td>8.</td>
<td>Maximum transient EGT during start is 871°C</td>
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<tr>
<td>9.</td>
<td>Battery gauge - VERIFY 28 VDC</td>
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<tr>
<td>10.</td>
<td>L(R) DDI, HUD, and MPCD knobs - ON</td>
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<tr>
<td>11.</td>
<td>EFD - CHECK</td>
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<tr>
<td></td>
<td>RPM 61% min</td>
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<tr>
<td></td>
<td>TEMP 250° to 590°C</td>
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<tr>
<td></td>
<td>FF 600 to 900 pph</td>
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<td></td>
<td>OIL 35 to 90 psi (WARM OIL)</td>
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<td>NOZ 77% to 83%</td>
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<td>12.</td>
<td>BLEED AIR knob - NORM</td>
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<td>13.</td>
<td>LT TEST switch - TEST</td>
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<tr>
<td>14.</td>
<td>COMM 1 and 2 knobs - ON</td>
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<tr>
<td>15.</td>
<td>Receive all -- ON</td>
</tr>
<tr>
<td>16.</td>
<td>ENG CRANK switch - L</td>
</tr>
<tr>
<td>17.</td>
<td>Right throttle - IDLE (10% N2 MIN)</td>
</tr>
<tr>
<td>18.</td>
<td>ENG CRANK switch - CHECK OFF</td>
</tr>
<tr>
<td>19.</td>
<td>EFD - CHECK</td>
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<tr>
<td>20.</td>
<td>APU - OFF</td>
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</tbody>
</table>

**BEFORE TAXI CHECKS**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>MPCD WYPT 0 and MVAR - CHECK/SET</td>
</tr>
<tr>
<td>2.</td>
<td>INS knob - CV or GND (PARK BRK SET)</td>
</tr>
<tr>
<td>3.</td>
<td>RADAR knob - STBY</td>
</tr>
<tr>
<td>4.</td>
<td>FLIR and LST/FLR switches - AS DESIRED</td>
</tr>
<tr>
<td>5.</td>
<td>UFCD avionics - TURN ON</td>
</tr>
<tr>
<td></td>
<td>a. RALT - ON/SET 200 FEET</td>
</tr>
<tr>
<td></td>
<td>b. TCN - ON, T/R, CH SET</td>
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<tr>
<td></td>
<td>c. IFF - ON/MODES UNBOXED</td>
</tr>
</tbody>
</table>
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 ±1°)
   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. UFCD 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 "GOOGLE" 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