

**Verify Check**

FUEL MASTER switch .....ON - guard down  
 ENGINE FEED knob .....NORM  
 EPU switch .....NORM - guard down  
 ENG CONT switch .....PRI - guard down  
 THROTTLE .....CUTOFF  
 LD GEAR handle .....Confirm DOWN and LOCKED  
 HOOK switch .....UP  
 MASTER ARM switch .....OFF  
 AIR SOURCE knob .....NORM

**Before Engine Start**

MAIN PWR switch .....BATT  
 FLCS RLY light .....ON  
 FLCS PWR TEST switch .....TEST and HOLD  
 ACFT BATT TO FLCS light .....ON  
 FLCS PMG light .....ON  
 FLCS PWR (4) light .....ON  
 FLCS RLY light .....OFF  
 MAIN PWR switch .....MAIN PWR  
 ELEC SYS light .....ON  
 HYD/OIL PRESS light .....ON  
 FLCS RLY light .....ON  
 SEC light .....ON  
 ENGINE light .....ON  
 EPU GEN & EPU PMG lights .....OFF  
 Communications .....ALL set to UHF BACKUP  
 Canopy .....CLOSED  
 Chocks .....IN PLACE  
 COM1 & COM2 vol. knob .....SET  
 Backup UHF radio .....Establish comms if required

**Engine Start**

JFS switch .....START 2  
 JFS light .....ON within 30s  
 THROTTLE .....ADVANCE to IDLE at min 25% RPM  
 SEC caution light .....OFF at 20% RPM  
 FTIT gauge .....MONITOR (past 750 = HOTSTART)  
 ENG warning light .....OFF at 60% RPM  
 JFS switch .....CONFIRM OFF at 55% RPM  
 HYD/OIL PRESS caution light ....OFF between 15% and 70% RPM

**Engine Check at Idle**

FUEL FLOW .....700 - 1700 PPH  
 OIL PRESSURE gauge .....MIN 15 PSI  
 NOZ POS gauge .....GREATER 94%

RPM gauge .....62 - 80%  
 FTIT .....BELOW 650  
 HYD PRESS A&B gauges .....AT 12 O'CLOCK  
 ANTI-ICE switch .....ON

**After Engine Start**

Gear lights .....ON (3 green)  
 FLCS reset switch .....RESET  
 FLCS caution light .....OFF  
 PFD light .....OFF  
 PROBE HEAT caution light .....OFF  
 PROBE HEAT TEST switch .....TEST & HOLD  
 PROBE HEAT caution light .....FLASHING  
 Fire & Overheat Detect btn .....TEST & HOLD  
 ENG FIRE warning light .....ON  
 OVER HEAT caution light .....ON  
 MASTER CAUTION light .....ON  
 MAIN & IND LTS button .....DEPRESS and HOLD  
 VMS audio messages .....VERIFY  
 Light Indicators .....ALL ON

**SEC Check**

THROTTLE .....IDLE for 30s+  
 BRAKES .....APPLY  
 ENG CONT switch .....RAISE GUARD, then SEC  
 NOZZLE gauge .....CLOSING (gently, to less than 5%)  
 SEC caution light .....ON  
 THROTTLE .....ADVANCE to 73%, VERIFY eng response  
 THROTTLE .....IDLE, verify NOZZLE remains closed  
 ENG CONT switch .....PRI - guard down  
 ENG CONT switch .....NORM - guard down  
 NOZZLE .....OPENING (gently, to more than 80%)  
 SEC caution light .....ON  
 BRAKES .....RELEASE

**Pre EPU Check**

EPU GEN & PMG lights .....OFF  
 EPU switch .....OFF  
 EPU Safety Pin .....REMOVED  
 EPU switch .....NORM

**EPU Check**

Oxygen .....100%  
 EPU GEN & PMG lights .....OFF  
 EPU switch .....OFF  
 EPU switch .....NORM

**FOR SIMULATION USE ONLY**

BRAKES ..... ENGAGED  
 THROTTLE ..... INCREASE rpm ABOVE 5% BELOW 85%  
 EPU GEN TEST switch ..... EPU/GEN & HOLD  
     EPU AIR light ..... ON  
     EPU GEN & PMG lights ..... OFF  
     FLCS PWR lights ..... ON  
     EPU RUN light ..... ON - within 5s  
 THROTTLE ..... IDLE  
 BRAKES ..... RELEASE  
 EXT LIGHTING POS ..... STEADY  
 Oxygen ..... NORM

### Avionics Power

MMC switch ..... SET  
 ST STA switch ..... SET  
 MFD switch ..... SET  
 UFC switch ..... SET  
 GPS TRK switch ..... SET  
 DL switch ..... SET  
 MIDS LTV knob ..... ON  
 Altimeter QNH ..... SET (airfield or parking MSL)  
 DED display ..... VISIBLE  
 EGI ..... ALIGN NORM  
 SNSR PWR panel .....  
     LEFT HDPT switch ..... AS REQUIRED  
     RIGHT HDPT switch ..... AS REQUIRED  
     FCR switch ..... FCR  
     RDR ALT switch ..... STBY  
 HUD/ASHM ..... AS DESIRED  
 HMCS SYMBOLOGY INT knob ..... ON  
 IFF MASTER knob ..... STBY  
 C & I knob ..... UFC  
 MFD - MFL ..... CLEAR  
 MFD - DTC ..... LOAD

### FLCS BIT Check

LMFD ..... SET TO FLCS  
 TRIM check ..... NEUTRAL-NORM  
 FLT CONTROL panel ..... ALL SWITCHES INWARD  
 Flight Controls ..... CYCLE 20s  
 FLCS BIT switch ..... INITIATE & MONITOR  
 LMFD - FLCS ..... BIT PASS message  
 FLCS BIT switch ..... VERIFY OFF  
 WHEELS down lights ..... GREEN  
 EPU FUEL QUANTITY ..... 95 - 102%  
 MFDs ..... AS DESIRED  
 UHF/VHF radios ..... AS DESIRED  
 Avionics ..... PROGRAM AS REQUIRED

### Speed Brakes Check

SPEED BRAKES switch ..... CYCLE

### DBU Check

DIGITAL BACKUP switch ..... BACKUP  
 Flight Controls ..... RESPONSIVE  
 DIGITAL BACKUP switch ..... OFF

### Trim Check

TRIM panel ..... CHECK  
 TRIM/AP switch ..... DISC  
 Trim controls ..... NO TRIM CHANGE  
 TRIM/AP switch ..... NORM

### Anti-ice Check

ANTI-ICE switch ..... OFF  
 FTIT gauge ..... DECR  $\geq$  10deg  
 ANTI-ICE switch ..... AUTO

### OBOGS Check

Oxygen System ..... CHECK  
 Pressure ..... 50 - 120 psi  
 Moder lever ..... PBG/ON (as required)  
 FLOW indicator ..... CHECK  
 EMER lever ..... NORM

### Before Taxi

Canopy ..... CLOSED & LOCKED  
 Altimeter and altitude indications ..... SET & CHECK  
 INS knob ..... NAV  
 CHOCKS ..... REMOVED

### Taxi

Brakes and NWS ..... CHECK  
 Heading ..... CHECK  
 Flight instruments ..... CHECK

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