

## SCRAMBLE OPERATION

● BATT switch.....	ON
● APU switch.....	ON
● APU READY light.....	LIT
● OBOGS switch.....	ON
● ENG CRANK switch.....	RIGHT POS
● Right throttle (RPM > 25%).....	IDLE
● L/R-DDIs, MPCD and HUD.....	ON
● COMM1 & COMM2 radios.....	AS REQUIRED
● RADAR knob.....	OPER
● INS knob.....	GND / CV
● ANTI SKID switch.....	ON / OFF
● L-DDI: select page.....	FCS
● R-DDI: BIT page.....	OSB STOP
● ENG CRANK switch.....	LEFT POS
● Left throttle (RPM > 25%).....	IDLE
● Canopy.....	CLOSE
● FLAP switch.....	HALF
● T/O TRIM button.....	DEPRESS
● FCS RESET button.....	DEPRESS
● Standby ADI.....	UNCAGE
● RADAR altimeter.....	450 / 370 ft
● BINGO fuel.....	AS REQUIRED
● L/R-DDIs: select pages.....	CHECKLIST / FCS
● INS knob (alignment complete).....	NAV
● Parking brake.....	RELEASE
● Ejection seat handle.....	ARM
● ALR-67 RWR power button.....	ON
● Standby barometric altimeter.....	SET QFE / QNH
● L/R-DDIs: select pages.....	HUD / RADAR

# PREFLIGHT CHECKS

- Parking brake handle.....SET
- ANTI SKID switch.....ON/OFF
- MASTER arm switch.....SAFE
- WING FOLD handle.....MATCHES WING POS
- Ejection seat arming handle.....SAFE
- If required, tell Chief to PLACE the WHEEL CHOCKS.

## ENGINE START

- BATT switch.....ON
  - Essential and utility batteries.....~28 V
- Brake pressure.....~3000 PSI
- FIRE warning test.....PERFORM
  - FIRE test switch.....TEST A & HOLD
  - Wait 10 sec for tape to rewind or reset battery switch.
  - FIRE test switch.....TEST B & HOLD
- APU switch.....ON
  - APU ACC caution light.....ON
  - APU READY light.....LIT
- ENG CRANK switch.....RIGHT POS
- Right throttle (RPM > 25%).....IDLE
- GPWS voice alerts.....ROLL LEFT (2x), FLIGHT CONTROLS (2x)
- IFEI - right engine.....CHECK
  - N<sub>2</sub> RPM.....63 - 70%
  - EGT.....190 - 590°C
  - FF.....420 - 900 PPH
  - NOZ.....73 - 84%
  - OIL.....45 - 110 PSI
- BLEED AIR knob (RPM > 60%) .....↻ 360°

## ENGINE START

- LT TEST caution and warning lights switch.....**TEST**
- Internal lighting.....**AS REQUIRED**
- Canopy.....**CLOSE**
- L/R-DDIs, MPCD and HUD.....**ON**
- COMM1 and COMM2 radios.....**AS REQUIRED**
- Radio **ATC** and **REQUEST START-UP**.
- Master caution button.....**DEPRESS**
- L-DDI: select page.....**FCS**
  - L-DDI: FCS page.....**2 or R**
- R-DDI: FCS BIT page.....**OBS STOP**
- ENG CRANK switch.....**LEFT POS**
- Left throttle (**RPM > 25%**).....**IDLE**
- Master caution button.....**DEPRESS**
  - L-DDI: FCS page.....**1 or L**

## BEFORE TAXI

- MPCD: HSI page.....**OBS DATA**
  - A/C coordinates.....**CHECK**
- RADAR knob.....**OPER**
- INS knob.....**GND/CV**
- FCS RESET button.....**DEPRESS**
  - L-DDI: FCS page.....**X** (WINGS FOLDED: AILERON **X**)
- OBOGS switch.....**ON**
- FLAP switch.....**AUTO**
- FCS (cold weather).....**BIT**
  - FCS switch.....**DEPRESS & HOLD**
  - R-DDI: FCS page.....**OBS FCS-MC**
  - R-DDI: FCS-MC page.....**OBS FCS**
  - R-DDI: FCSA, FCSB.....**IN TEST ⇒ GO**

# BEFORE TAXI

- FLAP switch.....HALF
- T/O TRIM button.....DEPRESS
  - FCS page: Stabilator.....↑12°/16°-19°
- Four down test:
  - PITOT ANTI ICE switch.....ON ⇒ AUTO
  - Arrestor hook.....DOWN ⇒ UP
  - Speed brake.....EXTEND ⇒ RETRACT
  - Refueling probe.....EXTEND ⇒ RETRACT
  - Launch bar.....EXTEND ⇒ RETRACT
- Standby ADI.....UNCAGE
- RADAR altimeter.....450/370 ft
- Soft altitudes.....SET
  - MPCD: A/C page.....OBS DATA ⇒ A/C ⇒ RADALT
  - UFC enter.....450/370 ft
- ALR-67 RWR power button.....ON
- BINGO fuel.....AS REQUIRED
- INS knob (**alignment complete**).....NAV
- Shoulder harness control handle.....LOCK
- Parking brake.....RELEASE
- ATT switch.....STBY
  - HUD shows standby attitude data.....VERIFY
  - Agreement standby and INS data.....CHECK
  - R-DDI: FCS Page CH 1/3 of PROC row.....X
- ATT switch.....AUTO
- Standby barometric altimeter.....SET QFE/QNH
- LDG/TAXI LIGHT switch.....ON
- L/R-DDI: select pages.....CHECKLIST/FCS
- If required, tell Chief to REMOVE the WHEEL CHOCKS.

## TAXI

- Radio **ATC** and **REQUEST** premission to **TAXI TO RUNWAY**.
- Nosewheel steering.....**NWS/NWS HI**
- Normal breakes.....**CHECK**
- Throttle N<sub>2</sub> RPM.....~**70-75%**

## BEFORE TAKEOFF

- Radio **ATC** and **REQUEST** permission for **TAKE-OFF**.
- Canopy.....**CLOSED**
- WING FOLD handle.....**SPREAD & LOCK**
- IFF.....**ON**
- Ejection seat arm handle.....**ARM**
- PARK BRK handle.....**FULLY STOWED**
- L-DDI: MENU checklist.....**COMPLETE**
- Engines (if desired).....**MIL CHECK**
  - N<sub>2</sub> RPM.....**92 - 102%**
  - EGT.....**715 - 830°C**
  - FF.....**6000 - 9000 PPH**
  - NOZ.....**0 - 57%**
  - OIL.....**95 - 180 PSI**

## NORMAL TAKEOFF

- Align aircraft down center line of the runway.
- L/R-DDI: select pages.....**HUD/FC**
- Throttle.....**MAX**
- At nosewheel rotation speed ⇒ stick 6-8° nose high att.

## AFTER TAKEOFF

- LDG GEAR handle.....UP
- FLAP switch.....AUTO
- ALT switch (> 3000 ft) .....BARO
- L/R-DDI: select pages.....HUD/RADAR

## CLIMB

- Maintain 350 knots to 10,000 feet.

### 10,000 FEET

- Cockpit altimeter.....CHECK
- Fuel transfer.....CHECK

## LANDING

- MASTER arm switch.....SAFE
- HUD master mode.....NAV
- HOOK BYPASS switch switch.....FIELD/**CARRIER**
- ALT switch.....RDR
- Altimeter setting.....CHECK
- Radar altimeter.....SET AND CHECK
- PITOT ANTI ICE switch.....AUTO
- ENG ANTI ICE switch.....CHECK/SET
- DEFOG handle.....HIGH
- WINDSHIELD switch.....AS DESIRED
- ARA-63 (ILS) .....ON AND CHANNEL SET
- IFF.....AS DIRECTED
- Sensors.....AS REQUIRED

# SHUTDOWN

- L/R-DDI: select pages.....HUD/FCS
- Ejection seat arm handel.....SAFE
- Stabilator trim.....0°
- NWS.....OFF
- FLAP switch.....AUTO
- Parking brake.....SET
- Video recording mode selector switch.....MAN or AUTO
- R-DDI: FCS page.....OBS BLIN: CYCLE & CHECK
- INS knob.....OFF
- RADAR knob.....OFF
- Sensors.....OFF
- COM1 & COM2 radios.....OFF
- Exterior lights.....OFF
- OBOGS switch.....OFF
- Canopy.....OPEN
- Left throttle.....CUT-OFF
- Bingo fuel.....0
- Hydraulic pressure.....~1500 PSI
- L/R-DDI, MPCD, HUD.....OFF
- FLAP switch.....FULL
- Right throttle.....CUT-OFF
- BATT switch.....OFF