

## Cold & Dark Cockpit Setup with Ground Power

- Check security of aircraft – Not applicable in the SIM
- **Initial Flightdeck Check - BELL Check:**
  - **B**AT.....ON
  - **E**lectric Hydraulic Pumps.....Check OFF
  - **L**anding Gear Lever.....Check Down (3 greens center instrument panel + 3 greens on overhead panel)
  - **L**ibrary (Ships Library).....Check

### Applying Aircraft Power:

## Cockpit Safety Inspection

- Ground Power.....ON (Overhead Panel)
- Fire Panel Test Switch.....Hold to Fault / Inop (Left toggle)

### ➤ Check for 5 lights:

1. FAULT (Fire Panel)
2. APU DET INOP (Fire Panel)
3. Master Caution (Glareshield Panel CAPT)
4. OVHT/DET (Glareshield Pack Switch CAPT))
5. Master Caution (Glareshield Panel FO)

- Fire Panel Test Switch.....Hold to OVHT / FIRE

### ➤ Check for 11 lights:

1. ENG 1 OVERHEAT (Fire Panel)
2. Engine No.1 Fire Handle (Fire Panel)
3. APU Fire Handle (Fire Panel)
4. Engine NO.2 Fire Handle (Fire Panel)
5. WHEEL WELL (Fire Panel)
6. ENG 2 OVERHEAT (Fire Panel)
7. Master Caution (Glareshield Panel CAPT)
8. Master Warning (Glareshield Panel CAPT)
9. OVHT/DET (Glareshield Pack Switch CAPT)
10. Master Caution (Glareshield Panel FO)
11. Master Warning (Glareshield Panel FO)

- Fire Panel EXT Test Switch.....HOLD to 1 (3 green squib lights should illuminate)
- Fire Panel EXT Test Switch.....HOLD to 2 (3 green squib lights should illuminate)

### Overhead Panel:

- EMER EXIT LIGHTS.....ARMED
- ATTEND.....PUSH (Tone should sound)

### Thrust Levers:

- Thrust Levers (Both).....Push Fully Forward (Takeoff configuration warning should sound)

### Pedestal / Cargo Fire Panel:

- Test Button.....Press (Make sure fault light doesn't illuminate)

### Pedestal:

- Microphone.....PA test

### Floor Behind Pedestal (FO Side):

- Manual Gear Extension Access Door....Check Closed

### Back of Pedestal:

- Gear Pins.....Check (Should have 3 pins)

## Rainbow Scan

### First Officer Rear Cockpit:

- First Officer Circuit Breaker Panel (P6).....Check (all in, no white collars visible)
- Spare Bulbs.....Check
- Emergency Escape Rope.....Check

### Overhead Panel:

- Stall Warning Test.....Press 1 (Stick shaker should activate)
- Stall Warning Test.....Press 2 (Stick shaker should activate)
- Mach Airspeed Warning.....Press 1 (Overspeed clicker should sound)
- Mach Airspeed Warning.....Press 2 (Overspeed clicker should sound)
  
- Check EEC.....ON
- Oxygen Pressure.....Check (min 1100 psi)
- IRS.....NAV (Pull and turn, confirm on DC light illuminated. The IRSs do a self test and then the light should extinguish, this begins the alignment process)
- Align Lights.....Illuminated
- Leading Edge Devices.....Test (confirm all working)

### Captain Rear Cockpit:

- Captain Circuit Breaker Panel (P18).....Check (all in, no white collars visible)

# SLIOWAE Checks

## Seats:

- (Not applicable) – Sit down and adjust seat / rudder pedals

## Lights:

- **Instrument Panel**..... Light switch to Test (check all lights are working, then back to Bright or Dim)

## Ident:

- **FMC**.....Initial setup for GPS Alignment
  - INIT page selected
  - Check right aircraft, right engines, database date valid?
  - Select POS INIT (LSK 6L)
  - Type current airport in scratch pad and input to REF AIRPORT (LSK 2R)
  - Next Page
  - Select one of the GPS references to copy it into the scratch pad
  - Prev Page
  - Input to SET IRS POS (LSK 4R)

## Oxygen:

- **Oxygen Panel**.....Checked
  - Press to test and reset switch.....Depress (Check for the yellow square)
  - Move regulator to Emergency
  - Press to test and reset switch.....Depress and hold for 5 seconds (Check the oxygen doesn't drop by 100 psi on the overhead panel)
  - Move regulator back to Normal

## Windows:

- **Windows**.....Check operational (Closed and locked)

## Atis:

- **ATIS**.....Get

## EFIS:

- **EFIS**.....Setup
  - Baro.....Set QNH (Hpa / In)
  - Range.....Set
  - Selection buttons.....Set (Min selection of APRT, possibly TERR but not WXR (will be selected on taxi or lining up on runway!))



# Overhead Panel Scan

PF: Start at top left, vertically downwards in 5 columns.



- Yaw Damper.....ON
- Navigation Switches.....Normal and Auto
- Fuel Crossfeed Valve.....Open, check bright blue, then dim blue. Close
- Fuel Pumps.....ON (as required, make sure lights go out when selected on)
- CAB/UTIL.....ON
- IFE/PAX SEAT.....ON
- APU.....OFF (at this current stage)
- Passenger signs.....ON (if fueling is complete)
- Start Switches.....OFF

- Engine Start..... Ignition selected to the RIGHT (if at a maintenance base)
- Window Heat.....ON
- Probe Heat.....Auto (OFF if installed, ON if it's 3 degrees or cooler in visible moisture)
- Anti Ice.....OFF
- Hydraulic Pumps.....ON (Check Low Pressure lights go out. Select OFF if ground crew are servicing the front of the aircraft)
- Cabin Altitude.....Check (Differential pressure is zero and rate of climb is zero)
- Voice Recorder.....ON
- Trim Air.....ON
- Packs.....Auto
- Isolation Valve.....Auto
- Pressurisation panel.....Auto - Set expected cruise altitude in FLT ALT window, set landing elevation for destination airfield in the LAND ALT window) – Make sure panel is set in AUTO!
- Lights.....Set as required

## Glareshield / MCP Panel

PF:



- Flight Director.....Selected ON (Master on PF side)
- Heading.....Set runway heading
- Altitude.....Set first stop altitude on departure, if clearance received, if no clearance received set expected cleared level plus 100ft. For example 9100.

# Instrument Panel

PF:



- Autobrake.....RTO (Check self-test light goes out)
- Standby ISFD.....Set QNH
- N1 Set Switch.....Auto
- SPD Ref.....Auto
- Remaining Standby Instruments.....Flags removed once alignment is complete

# Lower Engine Display

PF:

- Oil Quantities.....Check (min 12 Litres)



# Control Stand / Pedestal

PF:

Control Stand not shown in this image



- Speedbrake.....Check Stowed
- Flaps.....Check UP
- Configuration Check.....Thrust Levers Forwards, Warning Horn should sound, Thrust levers back to IDLE
- Start Levers.....CUTOFF
- Stab Trim Cutoff Switches.....Normal
- Radios.....Set for Departure VHF1, ATIS VHF2
- Nav.....Setup for Departure
- Weather Radar.....Tilt 5 degrees nose up and WX/TURB selected
- Transponder.....Standby and squawking 2000 (unless clearance squawk has been received)
- Rudder Trim.....Check (Rotate and hold, check movement and then re-center trim)
- Aileron Trim.....Check (Push and hold, check movement and then re-center trim)

## Lower Instrument Panel

PF:



- Ground Proximity Warning guarded switches.....SYS Test Button - Push
  - Should hear "Glideslope, Pull Up, Windshear x 3, Terrain Terrain Pull up, Obstacle Obstacle Pull Up, Airspeed Low"