**BOEING 747-400 CHECKLIST (DIGITAL)**

**Preliminary Pre-Flight Procedure**

* **Parking brake- AS NEEDED**

**Pre-Flight Procedure - First Officer**

* **CIRCUIT Breakers- Check**
* **EMERGENCY EQUIPMENT**
  + **FIRE Extinguisher- Checked and Stowed**
  + **Portable Oxygen Bottle- Checked and Stowed**
  + **Crash Axe- Stowed**
  + **First Aid Kit- Stowed**
  + **Smoke Goggles- Stowed**
  + **Life Vests- Stowed**
  + **Hatch- Closed and Locked**
  + **Smoke Evacuation Handle- IN**
  + **Oxygen Masks- Check**
* **STANDBY POWER selector- AUTO**
* **UTILITY power switches- ON**
* **BATTERY switch- ON**
* **BUS TIE switches-** **AUTO**
* **GENERATOR CONTROL switches- ON**
* **APU selector (if needed)-** **START, then ON**
  + **APU GENERATOR 1 switch- Push (verify that the ON light is illuminated)**
  + **APU GENERATOR 2 switch- Push (verify that the ON light is illuminated)**
* **DEMAND pump selectors- OFF**
* **START switches- In, extinguished**
* **FUEL TRANSFER MAIN 1 AND 4 switch- OFF**
* **Engine fire switches- In**
* **CONTINOUS IGNITION switch- Off**
* **Fuel jettison NOZZLE valve switches- Off**
* **All CROSS-FEED valve switches- On**
* **All fuel pump switches- Off**
* **Windshield WIPER selectors- AS NEEDED**
* **LANDING light switches- OFF**
* **EUQIPMENT COOLING selector- NORM**
* **Pack control selectors- NORM**
* **LEFT and RIGHT ISOLATION valve switches-** **ON**
* **APU bleed air switch- ON**
* **ENGINE bleed air switch- ON**
* **NAV light switch- As Needed**
* **FLIGHT DIRECTOR switch- ON**
* **Clock- Set**
* **Flight instruments- Set**
* **Landing gear lever- Confirm Down**
* **EICAS displays- Check**
* **NO SMOKING selector- Auto/On**
* **SEATBELTS selector- OFF**
* **AUTOBRAKES Selector- RTO**
* **Seat- Adjust**
* **Rudder pedals- Adjust**

**Pre-Flight Procedure – Captain**

* **FLIGHT DIRECTOR switch- ON**
* **BANK LIMIT selector- AUTO**
* **Autopilot DISENGAGE bar- Up**
* **Clock- Set**
* **Flight Instruments- Check**
* **Standby Instruments- Check**
* **Spoilers- Down**
* **Reverse Thrust Lever- Down**
* **Forward Thrust Lever- Idle**
* **Flap Lever- Set**
* **Parking Brake- Set**
* **Fuel Control Switches- Cutoff**
* **Fuel Control Switch Fire Warning Light- Extinguished**
* **Seat- Adjust**
* **Rudder Pedals- Adjust**

**Before Start Procedure**

* **Flight Deck Door- Closed and Locked**
* **Taxi and Take-off Briefings- Complete**
* **Exterior Doors- Closed and Locked**
* **SEATBELTS selector- AUTO/ON**
* **Start Clearance- Obtain**
* **All Main Fuel Pump switches- ON**
* **Center Fuel Pump Switches (*IF* Containing Fuel)- ON**
* **STAB Fuel Pump Switches (*IF* Containing Fuel)- ON**
* **Rudder Trim- *ZERO* Units**

**Engine Start Procedure**

* **ENG START Switch- PULL**
* **FUEL CONTROL Switch- Run**

**Before Taxi Procedure**

* **APU Selector- OFF**
* **HYD Demand Pump Selectors- Auto**
* **NACELLE ANTI-ICE Switch- As Needed**
* **Pack Selector- NORM**
* **Ground Equipment- Clear**
* **Flap Lever- Set Takeoff Flaps**
* **Flight Controls- Check**

**Before Takeoff Procedure**

* **Notify Cabin Crew**

**Takeoff Procedure**

* **STROBE Light Switch- ON**
* **Brakes- Released**
* **INBOARD Landing Light Switch- ON**
* **Thrust Lever- TAKEOFF THRUST (THR DETENT/TOGA)**
  + **Rotate At *VR***
* **Landing Gear Lever- UP**

**Climb and Cruise Procedure**

* **ABOVE 10,000 FEET:**
  + **INBOARD Landing Lights- OFF**

**After Landing Porcedure**

* **Spoilers- Down**
* **APU selector-** **START, then ON**
  + **APU GENERATOR 1 switch- Push (verify that the ON light is illuminated)**
  + **APU GENERATOR 2 switch- Push (verify that the ON light is illuminated)**
* **STROBE Lights Switch- OFF**
* **INBOARD Landing Lights Switch- OFF**
* **Autobrakes Selector- OFF**
* **Flap Lever- UP**

**Shutdown Procedure**

* **Parking Brake- SET**
* **SEATBELTS Selector- OFF**
* **HYD Demand Pump (1, 2, 3) Selectors- OFF**
* **HYD Demand Pump (4) Selector- AUX**
* **FUEL CONTROL Switches- CUTOFF**
* **FUEL PUMP Switches- OFF**
* **NACELLE And WING ANTI ICE Switches- OFF**
* **BEACON Light Switch- OFF**
* **FLIGHT DIRECTOR Switch- OFF**
  + ***AFTER WHEEL CHOCKS ARE IN PLACE,***
* **Parking Brake- RELEASE**
* **HYD Demand Pump (4) Selector- OFF**

**Secure Procedure**

* **Pack Control Selectors- OFF**

**=========END OF THE CHECKLIST=========**