

BOEING 787-9 DETAILED CHECKLIST



ELECTRICAL POWERUP

BATTERY SWITCH ON
C1 & C2 ELEC PUMP SELECTORS OFF
L & R DEMAND PUMP SELECTORS OFF
WIPER SELECTORS OFF
LANDING GEAR LEVER DN
ALTN FLAPS SELECTOR OFF
ELECTRICAL POWER ESTABLISH

IF EXTERNAL POWER IS DESIRED:

EXT PWR AVAIL LIGHT(S) ILLUMINATED
EXT PWR SWITCH(ES) PUSH

IF APU POWER IS DESIRED:

APU GENERATOR SWITCHES ON
APU SELECTOR START, THEN ON

PREFLIGHT PROCEDURE

IRS SELECTORS OFF 30 SECS, THEN ON
STATUS DISPLAY CHECK
OXYGEN PRESSURE CHECK
HYDRAULIC QUANTITY CHECK
ENGINE OIL QUANTITY CHECK
PARKING BRAKE SET
CDU SETUP
EXTERIOR INSPECTION PERFORM
TAIL SWITCH NORM
WINGS SWITCH NORM
HEADING REFERENCE NORM
DISCONNECT SWITCH GUARD CLOSED
IFE / PASS SEATS ON
CABIN / UTILITY ON
APU GENERATOR SWITCHES ON
GENERATOR CONTROL SWITCHES ON
GENERATOR DRIVE DISC. SWITCHES ON
APU SELECTOR (AS NEEDED) START, THEN ON
L HUD BRIGHTNESS CONTROL AS NEEDED
L WIPER SELECTOR OFF
TOWING POWER LIGHTS OFF
FD DOOR POWER ON
CCR RESET SWITCHES GUARDS CLOSED
EMERGENCY LIGHTS GUARD CLOSED
SERVICE INTERPHONE AUTO
BACKUP WINDOW HEAT SWITCHES ON
PRIMARY WINDOW HEAT SWITCHES ON
ENGINE PRIMARY PUMP L & R ON
C1 & C2 ELEC PUMP SELECTORS OFF
L & R DEMAND PUMP SELECTORS OFF
SEAT BELT SIGNS ON
LIGHTING PANEL AS NEEDED
GROUND TEST SELECTOR NORM
APU FIRE PANEL SET
CARGO FIRE ARM SWITCHES OFF

ENGINE EEC MODE SWITCHES NORM
ENGINE START SELECTORS NORM
FUEL JETTISON NOZZLE SWITCHES OFF
FUEL TO REMAIN SELECTOR IN
FUEL JETTISON ARM SWITCH OFF
FUEL CROSSFEED SWITCH OFF
FUEL PUMP SWITCHES OFF
FUEL BALANCE SWITCH OFF
WING ANTI-ICE SELECTOR AUTO
ENGINE ANTI-ICE SELECTORS AUTO
LIGHTING PANEL AS NEEDED
ELT SWITCH GUARD CLOSED
HUMIDIFICATION SWITCH ON
CARGO TEMP PANEL AS NEEDED
EQUIPMENT COOLING SWITCHES AUTO
RECIRCULATION FANS ON
FD TEMPERATURE CONTROL MID POSITION
CABIN TEMPERATURE CONTROL MID POSITION
PACK SWITCHES AUTO
TRIM AIR SWITCHES AUTO
VENTILATION SWITCH NORM
OUTFLOW VALVE SWITCHES AUTO
LANDING ALTITUDE SELECTOR IN
R WIPER SELECTOR OFF
R HUD BRIGHTNESS CONTROL AS NEEDED
FLIGHT DIRECTORS ON
AUTOTHROTTLE ARM
DISPLAY SELECT PANEL SET
EFIS CONTROL PANEL SET
OXYGEN TEST AND SET
AUTOBRAKE SELECTOR RTO
SPEEDBRAKE LEVER DOWN
REVERSE THRUST LEVERS DOWN
FORWARD THRUST LEVERS DOWN
FLAPS UP
STAB CUTOUT SWITCHES GUARDS CLOSED
FUEL CONTROL SWITCHES CUTOFF
ALTERNATE FLAPS PANEL ALL OFF
RADIO AND NAV TUNING PANEL SET

BEFORE START

FLIGHT DECK DOOR CLOSED & LOCKED
APU RUNNING / START
CDU DISPLAY SET
MCP SET
TAXI AND TAKEOFF BRIEFINGS COMPLETE
EXTERIOR DOORS VERIFY CLOSED

Start Newsky Flight

IF PUSHBACK IS NEEDED:

NOSE GEAR STEERING VERIFY LOCKED OUT
RIGHT ELECTRIC DEMAND PUMP AUTO
C2 & C1 ELECTRIC PUMPS AUTO
LEFT ELECTRIC DEMAND PUMP AUTO
LEFT & RIGHT FUEL PUMP SWITCHES ON
IF FUEL IN CENTER MESSAGE SHOWS:
CENTER FUEL PUMP SWITCHES ON
BEACON LIGHT SWITCH ON
CANCEL / RECALL SWITCH PUSH
VERIFY THAT ONLY EXPECTED MESSAGES SHOW
CANCEL / RECALL SWITCH PUSH
VERIFY THE MESSAGES CANCEL
TRIM SET
PUSHBACK AND / OR START PERFORM

ENGINE START

ENGINE START SELECTORSTART
FUEL CONTROL SWITCHRUN
AFTER ENGINE IS STABLE, START OTHER ENGINE

BEFORE TAXI

APU SELECTOROFF
ENGINE ANTI-ICE SELECTORSAS NEEDED
FLAPS LEVERSET TAKEOFF
AUTOBRAKERTO
FLIGHT CONTROLSCHECK
TRANSPONDERAS NEEDED
SECONDARY ENGINE INDICATIONSOFF
RECALLCHECK
GROUND EQUIPMENTCLEAR

TAXI

TAXI CLEARANCERECEIVE
RWY TURNOFF LIGHTSAS NEEDED
TAXI LIGHTSON
PARKING BRAKERELEASE

BEFORE TAKEOFF

TRANSPONDERTA / RA
TAKEOFF FLAPSCHECK / SET
LANDING LIGHTSON
STROBE LIGHTSON

TAKEOFF

BRAKESRELEASED
ADVANCE THRUST:
GE ENGINES40% N1
RR ENGINES20 TPR
TO / GA SWITCHPUSH

AFTER TAKEOFF

LANDING GEARUP
FLAPSRAISE ON SCHEDULE
AUTOPILOTAS REQUIRED
RWY TURNOFF AND TAXI LIGHTSOFF
ANTI-ICEAS REQUIRED

CLIMB

PASSING TRANSITION ALTITUDE
ALTIMETERPUSH TO SET STD
BELOW 10000 FTMAX 250 KIAS
Passing 10'000 ft
LANDING LIGHTSOFF
SEAT BELT SIGNSAUTO
ANTI-ICEAS REQUIRED

CRUISE & DESCENT PREPARATION

ENGINE AND INSTRUMENTSMONITOR
FUEL QUANTITYCHECK
C FUEL PUMPSOFF WHEN EMPTY
40NM BEFORE T.O.D.
ATIS / AIRPORT INFORMATIONCHECK
ALTIMETERCHECK
RADIOSSET
MCP ALTITUDERESET
FMC APPR SPEED REFSET

DESCENT & APPROACH

RECALLREVIEW, CHECK
AUTOBRAKESET
LANDING DATA:
VREFVERIFY / SET
RADIO ALT / BARO MINSET, CHECK
ANTI-ICEAS REQUIRED
APPROACH BRIEFINGCOMPLETE
PASSING TRANSITION ALTITUDE
ALTIMETERRESET TO LOCAL
BELOW 10'000 ft
SPEED250 KIAS
LANDING LIGHTSON
SEAT BELT SIGNSON

LANDING

CABIN CREWADVISED
FLAPSEXTEND AS NEEDED
APP MODEARM ON LOC INTERCEPT
GLIDESLOPE ALIVE:
LANDING GEARDOWN
FLAPS20
SPEEDBRAKEARMED
LANDING FLAPSSET

SHUTDOWN

PARKING BRAKESET
APUVERIFY RUNNING
FUEL CONTROL SWITCHESCUTOFF
SEAT BELT SIGNSOFF
LEFT ELECTRIC DEMAND PUMPOFF
C1 & C2 ELECTRIC PUMPSOFF
RIGHT ELECTRIC DEMAND PUMPOFF
FUEL PUMP SWITCHESOFF
BEACON LIGHTOFF
FLIGHT DIRECTORSOFF
AUTOTHROTTLEDISARM
TRANSPONDER MODESTANDBY
APU SELECTORAS NEEDED

THE BOEING 787-9 (B789) IS A TWIN-ENGINE, WIDE-BODY JET FOR LONG-HAUL ROUTES, SEATING UP TO 290 PASSENGERS. IT HAS A 62.81 M LENGTH, 60.12 M WINGSPAN, 16.92 M HEIGHT, AND MTOW OF 254,000 KG, WITH A RANGE OF 7,635 NM AND FUEL CAPACITY OF 101,000 L. POWERED BY GE GENX-1B OR ROLLS-ROYCE TRENT 1000 ENGINES (75,000 LBF THRUST), IT OFFERS 20% FUEL SAVINGS. SAFETY INCLUDES ENHANCED COMPOSITE AIRFRAME CHECKS AND DUAL FMS WITH CAT IIIB AUTOLAND. MAINTENANCE REQUIRES 600-FLIGHT-HOUR INSPECTIONS; EMERGENCY SYSTEMS INCLUDE 6 SLIDES AND A 406 MHZ ELT. CONSULT FCOM FOR DETAILS.