

King Air E-90 SHORT CHECKLIST

BEFORE STARTING ENGINES

Exterior Check COMPLETED
 Baggage, Door, & Pax SECURED & BRIEFED
 Parking Brake SET
 Battery Switch ON
 DC Voltmeters CHECKED (22V minimum)
 Fuel Quantity POUNDS; SUFFICIENT
 Beacon Switch VERIFIED ON
 Cabin Sign Switch BOTH
 Power Levers IDLE
 Propeller Levers AS DESIRED (usually forward)
 Condition Levers CUT-OFF
 Engines START

AFTER STARTING

Generator Switches VERIFIED ON
 DC Load & Volts PARALLELED & 28 VOLTS
 Inverter Switch NO. 1 or NO. 2 SELECTED
 Avionics Master Switch ON
 Fuel Control Heat Switches ON
 Propeller Levers FULL FORWARD
 Condition Levers SET DESIRED IDLE N1
 Environmental Controls SET
 AC Freq & Volts Hz; VOLTS
 Engine Instruments NORMAL (ITT $\leq 660^{\circ}\text{C}$)
 Parking Brake & Brakes RELEASED & CHECKED

BEFORE TAKEOFF

Pressurization SET; SWITCH IN "PRESSure"
 Trim Tabs ONE, TWO, THREE SET
 Flaps SET (usually UP)
 Flight Controls FREE AND CORRECT
 Avionics SET; RADAR TEST
 Autofeather Switch VERIFIED ARMED
 Fuel Quantity RECHECKED; SUFFICIENT
 Suction & Pneumatic Pressure NORMAL
 Engine & Flight Instruments NORMAL
 Engine Control Friction Locks TIGHTENED
 Takeoff Data / Briefing COMPLETED

RUNWAY LINEUP

Bleed Air Valve OPEN
 Transponder ON
 Light Switches (Strobes, Taxi, Landing) ON
 Ice Protection / Auto-Ignition AS REQUIRED

AFTER TAKEOFF

Landing Gear UP
 Landing and Taxi Light Switches OFF
 Flaps UP
 Yaw Damp ON
 Propeller Levers SET (usually 2000 RPM)
 Prop Sync Switch ON
 Engine Instruments CHKD (≤ 1400 ft-lbs; $\leq 700^{\circ}$)
 Pressurization CHECKED (ΔP & rate)
 Cabin Sign Switch AS DESIRED
 Outside Check (wings & nacelles) NORMAL
 Passing 10,000': Windshield Anti-Ice BOTH
 Passing FL 180: Altimeters SET
 Light Switches AS REQUIRED
 Crew O2 Masks AVAILABLE

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CRUISE

Autofeather Switch AS DESIRED
 Propeller Levers SET (usually 1900 RPM)
 Power Levers MATCH TORQUE (not to exceed
 695°C , 300 pph, nor 90% Cruise Power)
 Engine Instruments MONITORED
 Fuel Quantity MONITORED
 Aux Transfer Switches AS REQUIRED
 (Aux Trans Switches off when aux tanks are empty)
 * Trend Monitoring DATA RECORDED
 Pressurization SET FOR LANDING

DESCENT

Autofeather Switch ARMED
 Ice Protection AS REQUIRED
 Altimeters (below FL 180) SET
 Light Switches AS DESIRED
 Pressurization ADJUST RATE AS DESIRED
 Approach Briefing COMPLETED

BEFORE LANDING

Cabin Sign Switch BOTH
 Flaps APPROACH
 Landing Gear DOWN; THREE GREEN, NO RED
 Landing and Taxi Light Switches ON
 Prop Sync Switch OFF
 Pressurization CHECKED (low ΔP)
 Flaps DOWN
 Yaw Damp OFF
 Propeller Levers FULL FWD AFTER TOUCHDOWN

AFTER LANDING

Auto-Ignition / Ice Protection OFF
 Light Switches SET (Landing, Strobes off)
 Trims RESET FOR TAKEOFF
 Flaps UP
 Transponder & Radar STANDBY
 Bleed Air Valve Switches CLOSED
 At least one minute prior to shutdown:
 Vent Blower Switch LOW or HIGH
 Cabin Temp Mode Selector OFF (ITT $< 585^{\circ}\text{C}$)

SHUTDOWN

Parking Brake AS DESIRED
 Avionics Master Switch OFF
 Inverter Switch OFF
 Fuel Control Heat Switches OFF
 Cabin Sign Switch OFF
 Vent Blower Switch AUTO (OFF)
 ITT STABILIZED AT MINIMUM
 TEMP ($< 585^{\circ}\text{C}$) FOR AT LEAST ONE MINUTE
 Engine Control Friction Locks LOOSENED
 Power Levers VERIFIED AT IDLE
 Condition Levers CUT-OFF
 Propeller Levers FEATHERED (@ ≤ 600 RPM)
 Light Switches OFF or AS DESIRED
 DC Voltmeters CHECKED FOR VOLTAGE
 (no voltage indicates current limiter out)
 Battery and Generator Switches OFF
 Control Locks INSTALLED
 Parking Brake RELEASED WHEN CHOCKED

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