



Embraer E170



SAFETY & POWER ON

MaintenanceChecked
 GPUOUT
 BATT 1 & BATT 2OFF
 DC PUMP & AC PUMPS 1 & 2 ...OFF
 WINDSHIELD WIPERSOFF
 HYD SYS 1,2, PUMPSON
 Landing Gear LeverDN
 POWERPLANT 1&2STOP
 Speed Brake LeverCLOSE
 Thrust LeversIDLE
 BATT 1 & BATT 2ON
 APU GENON
 Elect Pwr/ Air Conditioning ...Establish

PREFLIGHT

Route WaypointsEntered
 Waypoint AltitudesEntered
 Cruise AirspeedEntered
 Cruise OAT (optional) ...Entered (A/R)
 Initial Cruise AltitudeEntered (A/R)
 Final Cruise AltitudeEntered
 Final Cruise AltitudeEntered (A/R)

BEFORE START

Fuel QuantityVerify .._Req, __OB
 MCDUVerify.....SET
 AltimetersVerify___. Set
 PASSENGER SIGNSON
 Departure Brief.....Completed
 RED BCNON
 PARKING BRAKESet or OFF
 Before Start ChecklistCompleted

ENGINE START UP

AC PowerAUTO
 TRU 1 & 2AUTO
 TRU ESSAUTO
 NAV LightsON
 APUSTART
 Bleed AirAPU
 Displays onVerifyChecked
 Engine 1 & 2 IgnitionAUTO
 Engine 2START [5 seconds]
 Engine 1START [5 seconds]
 APUOFF
 Bleed AirBOTH
 Air Condition PacksON

AFTER START

Flight Controls ...VerifyChecked
 PITCH & TRIM ...Verify ..._& Green
 Takeoff DataVerify_/_/_/_/_/
 EICASChecked
 Shoulder Harness ...VerifyON
 FlapsVerifySet
 After Start ChecklistCompleted

TAXI

EICAS.....Verify.....Checked
 Brake Temp.....Green
 Takeoff Briefing.....Complete
 Taxi Checklist.....Complete

BEFORE TAKEOFF

TO MIN Fuel Qan.....Verify
 TransponderTA/ALL
 T/O CONFIGSet
 AutobrakeRTO
 SpeedbrakesArmed
 Before T/O Checklist.....Completed

AFTER TAKEOFF

Landing GearUP
 FlapsUP
 Climb ThrustSET
 After Takeoff Checklist ..Completed

CRUISE

PressurizationCheck
 APCheck
 Thrust.....Check
 InstrumentsCheck
 Seat Belts Sign.....OFF
 MCDU.....Check

DECENT

Shoulder Harness ...Verify.....ON
 FSTN BELTS.....ON
 Altimeters.....Verify.....Set
 Landing DataSet
 ECAS.....Check
 Approach Briefing.....Complete
 Decent ChecklistComplete

Embraer E170

LANDING

Flight AttendantsNotified
 ECASChecked
 Landing GearDown, 3 Green
 FlapsVerify..... LDG POS
 SpeedbrakesArmed
 AutobrakesVerify.....Set
 Landing Lights.....ON
 Landing Checklist.....Completed

AFTER-LANDING

Transponder.....As Required
 FlapsUP
 APU.....As Required
 After Landing ChecklistCompleted

PARKING

PARKING BRAKE.....Set or OFF
 Thrust Lever.....IDLE
 STOP / RUN / 1 & 2.....STOP
 Passenger Signs.....OFF
 RED BCN.....OFF
 HYDRAULICS.....Set
 Parking ChecklistComplete

SECURING

Chocks.....ON
 EXT LT Switches (All).....OFF
 GPU/APU.....OFF
 BATT 1 & 2.....OFF
 Securing Checklist.....Completed

APPROACH AND LANDING PLANNING

The following values should be taken into consideration for approach and landing operations.

Please note that VAP is the Approach Target Speed and it is derived from VREF as follows:

$$\text{VAP} = \text{VREF} + \text{Wind correction.}$$

Wind correction = $\frac{1}{2}$ steady headwind component + all of the gust factor.

minimum of 5 knots, and maximum of 20 knots

CLIMB PICH FOR E170

The following values should be taken into consideration for climbing right after takeoff.

FLAP 1	Pitch 10°
FLAP 2	Pitch 10°
FLAP 4	Pitch 9°

FLAP SPEEDS FOR E170

Flap Position	V _{FE} (KIAS)
1	230
2	215
3	200
4	180
5	180
Full	165

EMBRAER 170 Pitch Trim Setting for Takeoff Table

All Weights		CG POSITION (% MAC)										
		7	9	11	13	15	17	19	21	23	25	27
Flap 1		6.0	6.0	5.5	5.0	5.0	4.5	4.0	3.5	3.0	3.0	2.5
Flap 2		6.0	6.0	5.5	5.0	4.5	4.0	3.5	3.5	3.0	2.5	2.0
Flap 4		6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0

This Checklist is made and can be printed and used for simulation purposes.

This is a Checklist for the E-170 from **Supercritical Simulations Group** Checklist Made By Inspiration_Aviation and is a part of XPCL Studios (X-Plane Checklist Studios)

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