

Pre-Start Checklist

Parking Brake SET
Throttle IDLE
BATT Master Switch ON (Shift-M)
Panel Light AS REQUIRED
Gear Lever CHECK DOWN
Flaps UP
Spoiler RETRACTED
FMC / FSNAV Flight Plan GENERATE / LOAD /
ACTIVATE
Fuel Quantity CALC / LOAD
Engine Instruments CHECK
Aircraft Lighting OFF
Flight controls CHECK
Check Weather (Atis, Flight Services)
Request Clearance
Transponder SET
Beacon ON

Startup Checklist

Thrust Levers IDLE
Engine Area CLEAR
Mode Selector IGN/START
Eng 1 starts immediately
at N2 = 20% Fuel Flow ON
Fuel Flow CHECK
N1 increasing as N2 incr. CHECK
Eng 2 starts after Eng 1 is running
at N2 = 20% Fuel Flow ON
Fuel Flow CHECK
N1 increasing as N2 incr. CHECK
Eng 3 starts after Eng 2 is running
at N2 = 20% Fuel Flow ON
Fuel Flow CHECK
N1 increasing as N2 incr. CHECK
Eng 4 starts after Eng 3 is running
at N2 = 20% Fuel Flow ON
Fuel Flow CHECK
N1 increasing as N2 incr. CHECK
Mode Selector returns to NORM position

Before Taxi Checklist

Strobe Light ON
Nav Lights ON
Taxi Lights ON
Heading Indicator/Altimeters SET
Standby Instruments SET
Avionics **FMC/FSNAV ?** SET FOR DEPARTURE
Autopilot **FMC/FSNAV ?** SET and OFF
FD ON
Yaw Damper ON AS REQUIRED
Autobrake RTO
Elevator Trim SET for takeoff

Request Taxi Clearance

Taxi Checklist

Passenger Signs ON
Brakes RELEASED
Taxi to assigned runway SPEED Max. 20 KIAS

Before Take-off Checklist

Brakes SET
Throttle IDLE
Flaps Pos 2
Spoilers RETRACTED
Landing Lights ON
Engine Instruments, Nav Equipment CHECK
Takeoff Data (V1, VR, V2) CHECK

Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to 40% N1 let spool up
Takeoff Thrust FULL or TO/GA
Brakes RELEASE
V1 = 145 KIAS (decision)
Vr = 150 KIAS (rotate)
Pitch 10-15 deg. nose up
V2 = 160 KIAS (safety speed)
At Positive Climb Rate Touch Brakes
Landing Gear RETRACT
At 180 KIAS RETRACT Flaps to Pos 1
At 210 KIAS RETRACT flaps up

Climb-out Checklist

Trim for 250 KIAS
Autothrottle ARM
Autopilot ON
Autobrake OFF
Taxi Lights OFF
Landing Lights OFF
Below 10000' max. speed 250 KIAS
ATC AS REQUIRED
Fasten Seat Belts OFF
No Smoking Sign OFF
Above 10000' speed 280 KIAS

Cruise Checklist (above FL 180)

At Transition Altitude (FL180) set Altimeter to 29.92" (1013mb)
Accelerate to cruise speed FL180 0.70 M 345 KIAS
FL240 0.77 M 343 KIAS
FL280 0.82 M 335 KIAS
FL330 0.84 M 305 KIAS
Engine+Instruments CHECK
Fuel Quantity CHECK
Radios TUNED and SET
Autopilot CHECK and SET
Lights as required

Descent Checklist

Atis/Airport Information CHECK
Altimeter CHECK
Radios SET
Descent Speed to FL240 0.75 M
to FL180 0.68 M
At Transition Altitude (FL180) reset Altimeter to local
to FL120 300 KIAS
below 10'000ft 240 KIAS
Fuel Quantities and Balance CHECK

Approach Checklist

Localizer Level Flight :

Fasten Seat Belts ON

No Smoking Sign ON

ND OFF

LS ON

Avionics + Radios SET

Speed: Establish 210 KIAS

Landing Lights ON

Auto Spoilers ARM

Autobrake SET

Flaps Pos 1

Speed: Establish 180 KIAS

Flaps Pos 2

Speed: Establish 160 KIAS

Landing Gear DOWN

Turning toward runway: set flaps Pos 3 / FULL

Final Glideslope Descent :

Speed Establish 150 KIAS

Park Brakes VERIFY OFF

Landing Checklist

Landing Gear CHECK DOWN

Autopilot OFF

Autothrottle OFF

Landing Speed 145 KIAS

After touchdown Apply Reverse Thrust, at
60 KIAS: Cancel Reverse Thrust

Spoilers VERIFY EXTENDED

Brakes AS REQUIRED

Taxi To Ramp

Taxi Lights ON

Flaps UP

Spoilers RETRACTED

Landing Lights OFF

Speed Max. 20 KIAS

Transponder OFF

Elevator Trim TAKEOFF SETTING

Lights AS DESIRED

Shutdown Checklist

Brake SET

Throttle IDLE

Passenger Signs OFF

Taxi Lights OFF

Strobe Light OFF

Nav Lights OFF

FD / LS OFF

Eng 1 Fuel Flow OFF

Eng 2 Fuel Flow OFF

Eng 3 Fuel Flow OFF

Eng 4 Fuel Flow OFF

Beacon OFF

Panel Light OFF

BATT Master Switch OFF