

CAC

CORPORATE AIR CHARTERS

BEFORE START CHECKS

1. Cabin Check
2. Cabin Overwing Emergency Exit Locking Pin Check removed and stowed
3. REFUEL Switches All OFF
4. Circuit Breakers Set
5. Safety Equipment Check and stow
6. Pump Handle Stowed
7. LANDING GEAR Selector down—Nose gear indicator visible
8. Brakes PARK
9. All Trims Check and set
10. Thrust Reverse Levers Stow—POWER OFF
11. HP COCKS Close
12. LP COCKS Levers up
13. X-FEED and TRANSFER Levers up
14. BATT ON—Check gear 3 greens
15. BATT ISOLATE NORM
16. BUS TIE OPEN Annunciator Check illuminated
17. Battery Volts Check all above 23
18. Fire Extinguisher Switches Off (2) Indicators clear (2)
19. Battery Temperature Check all above -10°C

External or APU (If Installed) Power

- a. EXT PWR As required
- b. EXT BATT CHG Off
- c. APU (if installed) Start

OR

Battery Power

- a. EXT PWR OFF
- b. TEST Panel Test ENG FIRE 1 & 2
- c. BEACON ON
- d. R PUMP (fuel) ON
- e. ENG CMPTR 2 AUTO
- f. MAIN AIR VLV 2 CLOSE
- g. START PWR ON
- h. ENG 2 Push OPERATING
- i. START PWR OFF

20. BUS TIE (if EXT PWR OFF) CLOSE
21. STBY INV ARM—Check XE Volts
22. Inverters ON and check
23. Air Conditioning As required
24. IRSs (if installed) NAV or ALIGN
25. AHRS Master (if installed) ON
26. RADIO, EFIS, and MFD Masters ON
27. Transponders Signal from flying pilot's ADC (Change as flying pilot changes)
28. Standby Horizon ARM
29. PASSENGER SUPPLY Oxygen ON
30. OXYGEN SUPPLY ON—Check contents
31. LH Mask and Microphone Check
32. LH Side Panels Check
33. CVR (if installed) Test
34. FLT ANNUN TEST—DIM OVRD to NORM
35. MWS TEST—DIM OVRD to NORM
36. TRANSFER Switches All green
37. AUX HYD SYSTEM Handle Fully in
38. DUMP VALVE SHUT
39. RH Side Panels Check
40. RH Mask and Microphone Check
41. Glareshield Check

External or APU (If Installed) Power

- a. OVERHEAD TEST Panel Test all functions

OR

No. 2 Engine Running

- a. OVERHEAD TEST Panel Test all functions except ENG FIRE 1 & 2

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42. Roof Panel Check
43. Yaw Damper Test (AP/YD & GA disconnects)
44. CAT II (if installed) Check
45. Electric Trim Test
46. Fuel Used Reset
47. Clocks Set
48. Pressurization Set
49. FMS, Navids, and V Bugs Set
50. N1 REF Set and checked
51. Altimeters (3) Uncage/erect
52. Standby Horizon Given
53. Briefing On
54. Cabin Notices ARM
55. EMERG Lights NAV
56. IRSs (if installed) PARK

START CHECKS

1. Brakes On
2. BEACON AUTO
3. ENG CMPTRs ON
4. Fuel Pumps ON
5. START PWR Push OPERATING
6. ENG 2 (if not running) Push OPERATING
7. ENG 1 Push OPERATING

AFTER START CHECKS

1. START PWR Off
2. EXT PWR (if used) Removed and OFF
3. Generators 1 & 2 Check on line
4. APU GEN (if APU installed) TRIP
5. Volts and Amps Check
6. Air Conditioning As required
7. ALTERNATORS ON
8. Heaters ON
9. PITOT AMPS Check
10. ENG ANTICE As required
11. AIRBRAKES SHUT
12. APR Test

BEFORE TAKEOFF CHECKS

1. Brakes Check
2. Instruments Check
3. Altimeters LH and RH reading within 40 ft of each other
4. THRUST REVERSERS ARM
5. Engine Computer, Rudder Bias, & T/R Check
6. FLAPS SET
7. Seats and Harnesses Secure
8. Windows Closed
9. Briefing Review
10. BATT 1 & 2 (NiCad only) Both above -10°C
11. BATT AMPS Below 20
12. Fuel Check quantity and balance
13. FMS Check
14. APU (if installed) As required

LINEUP CHECKS

1. EXTERIOR LIGHTS As required
2. Transponders Check
3. Flight Controls Full and free movement
4. ANTICE & ENG IGNITION As required
5. MWS Check
6. FATS Check—FLAPS, Airbrakes, Trims, and VSPEEDS
7. APR ARM

AFTER TAKEOFF CHECKS

1. LANDING GEAR Up
2. Yaw Damper Engage
3. FLAPS Up
4. THRUST Set Climb Power
5. MAIN AIR VLVs 1 & 2 OPEN
6. APR Disarm
7. ENG SYNC N1 or N2
8. ANTICE & ENG IGNITION As required

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CLIMB CHECKS

1. Altimeters Set and checked
2. EXTERIOR LIGHTS As required
3. Cabin Notices As required
4. Pressurization Check
5. OXYGEN Check contents

CRUISE CHECKS

1. Pressurization Check
2. OXYGEN Check contents
3. ANTICE & ENG IGNITION As required
4. Systems Check and monitor

LANDING REFERENCE SPEED (V_{REF}) UP TO MAXIMUM LANDING WEIGHT

Weight (lb)	17,000	18,000	19,000	20,000
V _{REF} KIAS	108	111	114	118

Weight (lb)	21,000	22,000	23,000	23,350
V _{REF} KIAS	121	123	126	127

DESCENT CHECKS

1. MAIN AIR VLVs 1 & 2 OPEN
2. Pressurization Set
3. V_{REF} Set
4. Briefing Given

APPROACH CHECKS

1. Altimeters Set and checked
2. F/DK VLV CLOSE
3. EXTERIOR LIGHTS As required
4. Cabin Notices On
5. Seats and Harnesses Secure
6. Nosewheel Steering Handwheel clear
7. Fuel Check quantity and balance
8. CAT II Checks As required

LANDING CHECKS

1. AIRBRAKES SHUT
2. APR ARM
3. LANDING GEAR Down
4. Nosewheel Steering Centered
5. ENG SYNC OFF
6. Altimeters Set and checked
7. FLAPS Set
8. MAIN AIR VLVs 1 & 2 CLOSE
9. AP & YD Disengage

MISSED APPROACH CHECKS

1. Thrust As required
2. FLAPS Retract to 15'
3. Pitch Attitude 12'
4. Airspeed V_{REF} minimum or V_{REF} + 10 KIAS minimum if FLAPS retracted
5. LANDING GEAR Up

AFTER LANDING CHECKS

1. AIRBRAKES SHUT
2. FLAPS Up
3. Exterior Lights As required
4. PITOT/VANE HEAT L & R OFF
5. ANTICE As required
6. APR Disarm
7. Transponder STANDBY
8. RADAR STANDBY
9. APU (if installed) As required
10. Air Conditioning As required

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SHUTDOWN CHECKS

Both Engines and APU (If Installed) Running

- a. Brakes PARK
- b. THRUST REVERSERS OFF
- c. EMERG LIGHTS OFF
- d. HP COCKS Close
- e. Fuel Pumps OFF
- f. ENG CMPTRs OFF
- g. BEACON OFF
- h. Cabin Notices As required
- i. GEN FAIL 1 & 2 Annunciators Illuminated
- j. SCREEN HEAT and ALTERNATORS OFF

OR

Both Engines Running and APU (If Installed) Not Running

- a. Brakes PARK
- b. THRUST REVERSERS OFF
- c. EMERG LIGHTS OFF
- d. MAIN AIR VLV 1 CLOSE
- e. HP COCK 1 Close
- f. L PUMP (fuel) OFF
- g. ENG CMPTR 1 OFF
- h. Cabin Notices As required
- i. GEN 1 FAIL Annunciator Illuminated
- j. SCREEN HEAT and ALTERNATORS OFF

LEAVING AIRCRAFT (TERMINATING FLIGHT) CHECKS

With APU (If Installed) Only Running

- a. BATT 1 & 2 Temperature (NiCads only) Check
- b. RADIO, EFIS, and MFD Masters OFF
- c. Standby Horizon OFF and Caged
- d. IRSs (if installed) OFF
- e. AHRS Masters (if installed) OFF
- f. APU Shut down
- g. STBY INV OFF
- h. EXTERIOR and INTERIOR LIGHTS OFF
- i. Flight Controls Locked
- j. OXYGEN SUPPLY OFF
- k. BATT OFF
- l. VESTIBULE LIGHT OFF

OR

With No. 2 Engine Only Running

- a. BATT 1 & 2 Temperature (NiCads only) Check
- b. RADIO, EFIS, and MFD Masters OFF
- c. Standby Horizon OFF and Caged
- d. IRSs (if installed) OFF
- e. AHRS Masters (if installed) OFF
- f. MAIN AIR VLV 2 CLOSE
- g. STBY INV OFF
- h. HP COCK 2 Close
- i. R PUMP (fuel) OFF
- j. ENG CMPTR 2 OFF
- k. GEN 2 FAIL Annunciator Illuminated
- l. BEACON OFF
- m. EXTERIOR and INTERIOR LIGHTS OFF
- n. Flight Controls Locked
- o. OXYGEN SUPPLY OFF
- p. BATT OFF
- q. VESTIBULE LIGHT OFF