

DCA24FA017

OPERATIONAL FACTORS/HUMAN PERFORMANCE

Attachment 11

DuPage Aerospace Corporation Hawker Checklist

January 24, 2025

BEFORE ENGINE START

1. Charts ON BOARD
2. Cabin CHECKED CLEAN AND STOCKED
3. EMERGENCY EXIT Pin REMOVED/STOWED
4. REFUEL Switches OFF
5. Circuit Breakers CHECKED
6. SAFETY EQUIPMENT CHECKED/STOWED
7. PUMP HANDLE STOWED
8. Landing Gear DOWN/LOCKED/PIN UP
9. Parking Brake SET
10. Trims (3) TEST & SET FOR TAKEOFF
11. Thrust Levers STOWED/POWER OFF
12. HP Cocks CLOSED
13. LP Cocks LEVERS UP
14. X-Feed and Transfer LEVERS UP
15. Battery ON – 3 GREEN GEAR LIGHTS
16. Battery Voltage >23 VOLTS
17. Battery Isolate NORM
18. Bus Tie Open Annunciator CHECK ON-ILLUMINATED
19. Fire Extinguisher Switches OFF – INDICATORS CLEAR
20. STBY Instruments ARM
21. Warning Horn CANCEL
22. APU Fire TEST
23. APU Master ON
24. Left Boost Pump EMERGENCY
25. APU START
26. Bus Tie CLOSE
27. STBY Inverter ARM/CHECK
28. Inverters ON/CHECK
29. APU Bleed Air AS REQUIRED
30. Radio/EFIS/MFD Masters ON
31. IRS (If Installed) ON
32. Pass Oxygen ON
33. Oxygen ON & CHECK
34. Oxygen Masks CHECK
35. Audio Panels SET
36. Side Panels CHECK
37. CVR TEST
38. MWS and Flight Annuns TEST/DIM/OVERRIDE/NORM
39. Reversion/Transfer Switches GREEN
40. Aux Hydraulic handle STOWED
41. Aux Hydraulic Pump Socket CHECK/DOWN
42. Dump Valve SHUT
43. Glareshield CHECK

CAUTION – DO NOT TEST ENG FIRE IF ENG ARE RUNNING

44. Overhead Test Panel TEST ALL FUNCTIONS
45. Cabin Notices ON
46. Emergency Lights ARM
47. Yaw Damper TEST
48. Trims TEST / SET FOR TAKEOFF
49. Fuel Used Counter RESET
50. FMS/ Speeds/Altimeters/Avionics/Clocks/N₁ ref SET
51. Pressurization SET
52. STBY horizon UNCAGE
53. Passenger Briefing COMPLETE

ENGINE START

1. Anti-Collision Light ON
2. Engine Computers AUTO (lights out)
3. Fuel Pumps ON (lights out)
4. Start Power ON
5. Engine #2 START
6. Engine #1 START
7. Engine Instruments CHECK

AFTER ENGINE START – BEFORE TAXI

1. Start Power OFF
2. Generator 1 & 2 ON-CHECKED
3. APU Generator TRIP
4. Volts & Amps CHECK
5. Alternators ON
6. Screen heats ON
7. Pitot heats ON
8. Pitot Amps CHECK
9. Engine Anti-Ice TEST
10. TKS PRIME AS REQUIRED
11. Air Brakes SHUT
12. APR TEST

TAXI/BEFORE TAKEOFF

1. Taxi Lights ON
2. Wheel Brakes CHECK
3. Nose Wheel Steering (YD OFF) CHECK
4. Flight Controls CHECK
5. Flight Instruments CHECK
6. T/R's ARM
7. Engine Computers CHECK/ON
8. Rudder Bias and T/R's CHECK/ON
9. Flaps SET FOR TAKEOFF
10. Harnesses SECURE
11. Windows SECURE
12. Battery Amps (below 20A) CHECK
13. Fuel Quantity & Balance CHECK
14. Crew Briefing & Noise Abatement COMPLETE

TAKEOFF

1. Exterior Lights ON
2. Anti-Ice and Ignition AS REQUIRED
3. MWS CHECK
4. WX Radar AS REQUIRED
5. FATS COMPLETE
6. APR ARMED
7. Runway Assignment & Heading CHECK BOTH

AFTER TAKEOFF

1. Landing Gear / Flaps UP
2. Yaw Damper ON
3. Main Air Valves 1 & 2 OPEN
4. APU Bleed Air OFF
5. APU SHUT DOWN
6. Thrust SET CLIMB POWER
7. ENGINE SYNC N₁
8. Anti-Ice and Ignition AS REQUIRED
9. APR DISARM
10. Engine Instruments CHECK
11. Cabin Pressurization & Temperature SET

CLIMB - TRANSITION ALTITUDE FL 180- CRUISE

1. Altimeters (3) SET
2. Exterior Lights AS REQUIRED
3. Cabin Pressurization & Temperature SET
4. Anti-Ice and Ignition AS REQUIRED
5. Engine Instruments CHECK
6. Belts / No Smoking Switch AS REQUIRED
7. Cabin Notices AS REQUIRED
8. Systems MONITOR

DESCENT

1. Main Air Valves.....OPEN
2. Cabin Pressurization & Temperature.....SET
3. Landing Data.....COMPUTE / SET
4. Crew Briefing.....COMPLETE
5. Anti-Ice.....AS REQUIRED

DESCENT - TRANSITION ALTITUDE FL 180

1. Altimeters (3).....SET
2. Radar Altimeter.....SET
3. Exterior Lights.....AS REQUIRED
4. Belts / No Smoking Switch.....AS REQUIRED
5. Cabin Pressurization & Temperature.....SET
6. ATIS.....CHECKED
7. Crew Briefing.....COMPLETE

APPROACH

1. Flight Deck Valve.....CLOSED
2. Fuel Quantity & Balance.....CHECK
3. Cabin Notices.....ON
4. Seats & Harnesses.....SECURE
5. Flaps.....AS REQUIRED
6. APU.....START

BEFORE LANDING

1. Landing Gear.....DOWN & LOCKED / 3 GREEN
2. Flaps.....SET
3. Airbrakes.....SHUT
4. APR.....ARM
5. Nosewheel Steering.....Centered
6. Exterior Lights.....ON
7. Engine SYNC.....OFF
8. Altimeters.....Set and Checked
9. APU Air.....ON
10. Main Air Valves 1 & 2.....CLOSE
11. AP & YD.....Disengage

LANDING DISTANCES AND SPEEDS

ON DRY RUNWAYS

ON WET RUNWAYS

FLAPS 45°

ISA CONDITIONS, NO WIND & LEVEL RUNWAY

WEIGHT (LB)	LANDING DISTANCE REQUIRED AIRPORT ALTITUDE (FT)				
	SEA LEVEL	2000	4000	6000	8000
V _{REF}					

23350	4420	4630	4850	5050	5350
127	5090	5320	5580	5840	6160
23000	4370	4580	4800	5020	5280
126	5030	5270	5520	5780	6080
22000	4240	4430	4640	4860	5110
123	4870	5100	5340	5590	5880
21000	4100	4280	4480	4700	4940
121	4710	4920	5160	5400	5680
20000	3950	4130	4320	4530	4760
118	4550	4750	4970	5200	5480
19000	3800	3980	4150	4350	4580
114	4370	4580	4780	5010	5270
18000	3650	3820	3990	4180	4400
111	4200	4400	4590	4810	5060
17000	3500	3670	3820	4010	4210
108	4030	4220	4390	4610	4850

NOTE: Landing field length factors incorporated in the above values are:

1.68 for dry runways

1.92 for wet runways

AFTER LANDING

1. Exterior Lights.....AS REQUIRED
2. Airbrakes & Flaps.....SHUT/UP
3. Anti-Ice.....OFF
4. Pitot & Vane Heat.....OFF
5. APR.....DISARM
6. Transponder.....AS REQUIRED
7. Alternators.....OFF
8. T/R's.....STOW
9. WX Radar.....STBY
10. Trims (3).....AS REQUIRED
11. Flight Time and Fuel Used.....RECORD

ENGINE SHUTDOWN

1. PARK-EMERG Brake.....PARK
2. T/R's.....OFF
3. HP Cocks.....CLOSED
4. Fuel Pumps.....OFF
5. EMERGENCY LIGHTS Switch.....OFF
6. STBY Horizon.....CAGED
7. Radio/EFIS/MFD Masters.....OFF
8. IRS's (N317CQ only).....OFF
9. Engine Computers.....OFF
10. GEN FAIL 1 & 2 Annunciators.....ILLUMINATED
11. STBY Inverter.....OFF
12. OXYGEN.....OFF
13. Screen Heat & Alternators.....OFF
14. APU.....SHUT DOWN
15. Exterior & Interior Lights.....OFF
16. Flight Controls.....LOCKED
17. BATTERY.....OFF

GO AROUND

1. Thrust Levers.....MAX
2. Flaps.....15°
3. Pitch.....GO AROUND +12° UP
4. Airspeed.....V_{REF}
5. Landing Gear.....UP
6. Flaps.....V_{REF} +10UP
7. Mode Selector.....SET

CABIN ALLTITUDE SETTING FOR LANDING

(Apply setting correction to field pressure altitude)

QNH-mb or HPa	970	975	980	985	990	995	1000
in Hg	28.64	28.79	28.94	29.09	29.23	29.38	29.53
Correction - ft	+1500	+1350	+1250	+1100	+950	+800	+650
QNH-mb or HPa	1005	1010	1015	1020	1025	1030	1035
in Hg	29.68	29.82	29.97	30.12	30.27	30.41	30.56
Correction - ft	+550	+400	+250	+100	0	-150	-300

Minimum Single Engine V_{REF}=111 knots

Icing.....Use V_{REF} + 10

No Flaps.....Use V_{REF} + 15

Icing/No Flaps.....Use V_{REF} + 30