

DC-3



COCKPIT CHECKLIST
Part 1 Issue No. 7, Effective 15.9.60

Before First Take-Off

	1/P	2/P
1. Report Books ON BOARD		x
2. Spare Hydraulic Fluid CHECKED		x
3. Hand Pump Valve CLOSED		x
4. Generators OFF		x
5. Ground Power ON		x
6. Alcohol Deicers CHECKED		x
7. Pre Flight Radio Checked ... PERFORMED		x

Before Starting Engines

1. Heat Controls SET		x
2. Radio CHECKED		x
3. Mags OFF		x
4. Gyros SET & CAGED		x
5. Autopilot ON		x
6. Servo Valves CLOSED		x
7. Static Selector STATIC		x
8. Hydraulic Pressure UP		x
9. Cowl Flaps OPEN & OFF		x
10. Fuel Selectors LEFT MAIN		x
		RIGHT MAIN
		x
11. Carburetor Air COLD		x
12. Gear Latch POSITIVE LOCK		x
13. Gear Handle NEUTRAL		x
14. Flaps UP & NEUTRAL		x
15. Wing & Alcohol Deicers..... OFF		x
16. Cabin Signs ON		x
17. Position Lights SET		x
18. Ground Power ON		x
19. Fire Warning CHECKED		x
<u>CREW AT THEIR STATIONS</u>		
20. Parking Brakes ON	x	
21. Crew Papers CHECKED		x
(Nav Kit, Route Manual, Weather Report, Flight Plan)		
22. Technical Report CHECKED	x	
23. Tank Quantities CHECKED	x	
(Fuel, Oil, Alcohol & Hydr)		
24. Fwd Cargo Door LOCKED	x	
25. Ground Locks & Pitot Cover REMOVED	x	
26. Controls CHECKED	x	
27. Autopilot ON	x	
28. Check List Completed.		

After Starting Engines

1. Oil, Fuel, Vacuum, Hydr Pressures UP		x
2. Ship's Battery ON		x
3. Booster Pumps OFF		x
4. Generators ON		x
5. Radio Master ON		x
6. Pitot Heat ON	x	
7. Gyros UNCAGED	x	
8. Loadsheet & Cabin Report ... CHECKED	x	
9. Tail Wheel FREE	x	
10. A/C Clear Signal RECEIVED	x	
11. Check List Completed		

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COCKPIT CHECKLIST
Part 2 Issue No. 7, Effective 15.9.60

Taxiing

	1/P	2/P
1. Altimeters mb..... SET & CHECKED	x	x
2. Hydr Pump Selector BACK		x
3. Wing Flaps CHECKED & UP		x
4. Pre - heat CHECKED		x
5. Wing Deicers CHECKED & OFF		x
6. Gyros CHECKED	x	
7. AVQ-6, ILS First Course SET	x	
8. Check List Completed.		

Before Take-Off

1. Engine Run Up COMPLETED		x
2. Trim Tabs SET		x
3. Props FORWARD		x
4. Mixture AUTO RICH		x
5. Fuel Selectors: L Side LEFT MAIN		x
		R Side RIGHT MAIN
		x
6. Carburetor Air COLD		x
7. Flaps UP & NEUTRAL		x
8. Booster Pumps ON		x
9. Engine Failure Procedure:		x
(a) V_1 = 80 kts		
(b) V_2 = 80 kts		
(c) Full Power		
(d) Gear Up		
(e) Feather		
(f) Idle Cut-Off		
(g) Check List		
10. Autopilot OFF, LOCKED	x	
11. Controls CHECKED	x	
12. Throttle Clamp TIGHT		x
<u>AFTER LINE UP CLEARANCE ROLLING TAKE-OFF</u>		
13. Inverter ON		x
14. ADF's ON		x
15. Anti Collision Light ON	x	
16. Gear Latch SPRING LOCK	x	
17. Cowl Flaps TRAIL		x
18. Flight & Engine Instr..... CHECKED	x	x
19. Tail Wheel LOCKED	x	
20. Check List Completed.		

Climb

1. Wing Check CHECKED	x	x
2. Booster Pumps OFF		x
3. Gear Handle NEUTRAL		x
4. Cabin Signs SET	x	
5. Altimeter 2/T Standard ... SET		x
6. Check List Completed		

REDUCED TAKE-OFF POWER
Reduce MP at temperatures below standard as follows:

OAT (°C)	+5	-5	-10	-15	-20	-25
MP ("Hg)	47,5	47	46,5	46	45,5	45

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COCKPIT CHECKLIST

Part 3 Issue No. 7, Effective 15.9.60

Before Descent

	1/P	2/P
1. Gyros	CHECKED	x
2. Mags (mixture AR)	CHECKED	x
3. Check List Completed.		

Before Landing

1. Tail Wheel	LOCKED	x	
2. Autopilot	OFF, LOCKED	x	
3. Servo Valves	CLOSED	x	
4. Hydr Pump Selector	BACK		x
5. Fuel Quantity	CHECKED		x
6. Fuel Selectors: L Side	LEFT MAIN	x	
	R Side	RIGHT MAIN	x
7. AVQ-6 & Dimming	ON & SET	x	x
8. Brakes	CHECKED	x	
	<u>TRANSITION LEVEL</u>		
9. Cabin Signs	ON	x	
10. Altimeters mb	SET & CHECKED	x	x
11. Static Selector	STATIC	x	
12. Mixture	AUTO RICH		x
13. Cowl Flaps	TRAIL		x
14. Check List Completed to "Gear Down"			
	1/P calls: GEAR DOWN, 2150 RPM,		
	<u>COMPLETE LANDING CHECK LIST</u>		
15. Gear Down	GEAR COMING		
	DOWN	x	x
16. 2150 RPM	2150	x	x
17. Green Light	GEAR DOWN &		
	LOCKED	x	x
18. Wing Deicers	OFF		x
19. Carburetor Air	COLD		x
20. Check List Completed except RPM,			
	<u>AFTER SETTING LANDING FLAP:</u>		
21. Props	FORWARD		x

After Landing

1. Flaps	UP		x
2. Cowl Flaps	OPEN		x
3. Inverter	OFF		x
4. Pitot Heat	OFF		x
5. Alcoh Pumps & Controls	OFF		x
6. Anti Collision Light	OFF	x	
7. Autopilot	ON	x	
8. Check List Completed.			

After Parking

1. Tail Wheel	LOCKED	x	
2. Parking Brakes	ON	x	
3. Seat Belts	OFF	x	
4. Mags	OFF	x	
5. Generators	OFF		x
6. Radios & AVQ-6	OFF	x	x
7. Fuel Selectors	OFF	x	
8. Gyros	CAGED	x	
9. UV-Lights & Switches	OFF	x	
10. Gear Handle	DOWN		x
11. Flap Handle	UP		x
12. Wheels	CHECKED	x	x
13. Parking Brakes	OFF	x	
14. Ground Power	ON		x
15. Controls	LOCKED	x	
16. Autopilot	ON	x	
17. Check List Completed.			

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COCKPIT CHECKLIST

Part 4 Issue No. 7, Effective 15.9.60

Feathering or Engine Fire

1. Power	SET
2. Gear and Flaps	UP
3. Feather	FEATHERED L/R
4. Mixture L/R	OFF
	<u>ONLY IN CASE OF ENGINE FIRE:</u>
5. Shut - Off Valve L/R	CLOSE
6. Fire Selector L/R	SET
7. If zone II or III:	
	Discharge Handle FULL UP
8. Cowl Flaps L/R	TRAIL & OFF
9. Side Windows	OPEN
10. Fuel Selector L/R	OFF
11. Booster Pump L/R	OFF
12. Alcohol Pump	OFF
13. Hydr Pump Selector	BACK
14. Carburetor Air L/R	COLD
15. Mag L/R	OFF
16. Generator L/R	OFF
17. Prop & Throttle L/R	BACK
	<u>When feathering completed and/or fire is out:</u>
18. Cowl Flaps L/R	CLOSED & OFF
19. Gear Handle	NEUTRAL

Unfeathering

1. Shut-Off Valve	OPEN
2. Cowl Flaps	TRAIL
3. Carburetor Air	COLD
4. Fuel Selector	ON
5. Prop L/R	BACK
6. Throttle L/R	BACK
7. Mixture L/R	OFF
8. Unfeather L/R up to 800	RPM
9. Oil Pressure	UP
10. Booster Pump	ON
11. Mag	BOTH
12. Mixture	AUTO RICH
13. Generator	ON
14. Warm-UP Engine (1200/20")	