

# DC-3 NORMAL CHECKLIST

## BEFORE START

C	EXT/ INT PREFLIGHT	COMPLETE
C	LOGBOOKS CHECKLISTS	CHECKED
C	LANDING GEAR PINS	ON BOARD
C	CONTROL LOCKS	REMOVED & STOWED
C	CIRCUIT BREAKERS	CHECKED
C	HYDRAULIC QUANTITY	CHECKED
C	HYDRAULIC PRESSURE	CHECKED (500-1000 PSI)
C	ESCAPE HATCH	CHECKED
C	BATTERY SWITCH	OFF
C	AVIONICS MASTER	OFF
C	CABIN LIGHTS	OFF
C	PROPELLER ANTI-ICE	OFF
C	WINDSHIELD ANTI-ICE	OFF
C	EXTERIOR LIGHTS (7)	OFF
C	NO SMOKE & SEAT BELT SIGNS	ON
C	LANDING LIGHTS	OFF
C	ANTI-COLLISION LIGHT	ON
C	IGNITION MASTER	OFF
C	MAGNETOS	OFF
C	STARTER	OFF
C	PRIMER	OFF
C	FUEL BOOST PUMPS	CHECKED/ OFF
C	GENERATOR SWITCHES	ON
C	PITOT HEAT	OFF
C	INSTRUMENT SWITCH	ON
C	CARGO FIRE WARNING	CHECKED
C	HEATER CONTROLS (3)	OFF
C	PROPELLERS	FORWARD
C	THROTTLES	CHECKED/ IDLE
C	MIXTURES	IDLE CUTOFF
C	THROTTLE FRICTION	SET
C	RADIOS & TRANSPONDER	SET
C	NAV SYSTEM	SET

C	ALTIMETERS	SET
C	FLIGHT INSTRUMENTS	SET/ CROSSCHECKED
C	ENGINE INSTRUMENTS	CHECKED
C&F	FUEL REQ'D/ON BOARD	REQ'D/ ON BOARD
C	FIRE WARNING	CHECKED
C	FIREWALL SHUTOFFS	OPEN
C	CARBURETOR HEAT	COLD
C	WARNING LIGHTS	CHECKED
C	STATIC SOURCE SELECTORS	NORMAL
C	FUEL SELECTORS	MAIN TANKS
C	TRIMS	3 CHECKED/ 0
C	COWL FLAPS	OPEN & OFF
C	FLAP HANDLE	NEUTRAL
C	LANDING GEAR HANDLE	NEUTRAL
C	LANDING GEAR LATCH	LATCHED
C	STAR VALVE	CLOSED
C	AFT BALLAST	SECURE
C	AFT CARGO DOORS	LOCKED
C	PASSENGER BRIEFING	COMPLETE
C	FLIGHT ATTENDANT BRIEFING	COMPLETE
PF	DEPARTURE BRIEFING	COMPLETE

## AFTER PAPERWORK COMPLETE

C&F	TAKEOFF WEIGHT	LBS
C&F	% MAC	%
C&F	ELEVATOR TRIM	UNITS
C&F	AMBIENT MP READING	INCHES

## RIGHT ENGINE START

F	FIRE GUARD	POSTED
F	RIGHT ENGINE	CLEAR

C	BATTERY MASTER	ON
C	RIGHT BOOST PUMP	ON
C	RIGHT STARTER	ENGAGED
C	RIGHT PROPELLER	9 to- 12 BLADES
C	RIGHT ENGINE MIXTURE	AUTO RICH
C	RIGHT ENGINE MAGNETOS	BOTH
C	RIGHT THROTTLE	ADVANCE SLIGHTLY
C	RIGHT ENGINE PRIMER	AS REQUIRED
C	RIGHT ENGINE STARTER	OFF

## AFTER START

C&F	RIGHT ENGINE OIL PRESSURE	CHECKED
F	RIGHT BOOST PUMP	OFF
F	RIGHT PRIMER	OFF
F	RIGHT ENGINE FUEL PRESSURE	CHECKED
F	RIGHT ENGINE IDLE RPM	500 – 800 RPM
F	RIGHT ENGINE OIL TEMP	70° – 90° C
F	RIGHT ENGINE RPM	950 – 1050 RPM
F	BATTERY SWITCH	OFF
F	MAIN BUS VOLTAGE	25 VOLTS (+1/ -0)
F	BATTERY SWITCH	ON
F	HYDRAULIC QUANTITY	CHECKED
F	HYDRAULIC SYSTEM PRESSURE	CHECKED
F	RIGHT HYDRAULIC PUMP	CHECKED
F	RIGHT VACUUM	CHECKED
F	RIGHT COWL FLAP	OPEN & OFF

## LEFT ENGINE START

C	FIRE GUARD	POSTED
C	LEFT ENGINE	CLEAR

C	LEFT STARTER	ENGAGED
C	LEFT PROPELLER	9 to-12 BLADES
C	LEFT ENGINE MIXTURE	AUTO RICH
C	LEFT ENGINE MAGNETOS	BOTH
C	LEFT ENGINE THROTTLE	ADVANCE SLIGHTLY
C	LEFT ENGINE PRIMER	AS REQUIRED
C	LEFT ENGINE STARTER	OFF

## AFTER START

C&F	LEFT ENG OIL PRESSURE	CHECKED
F	LEFT BOOST PUMP	OFF
F	LEFT PRIMER	OFF
F	LEFT ENGINE FUEL PRESSURE	CHECK
F	LEFT ENGINE IDLE RPM	500 – 800 RPM
F	LEFT ENGINE OIL TEMP	70° – 90° C
F	LEFT ENGINE RPM	950 – 1050 RPM
F	BATTERY SWITCH	OFF
F	RIGHT ENGINE GENERATOR SWITCH	OFF
F	MAIN BUS VOLTAGE	25 VOLTS (+1/ -0)
F	BATTERY SWITCH	ON
F	RIGHT ENGINE GENERATOR SWITCH	ON
F	INVERTERS	ON
F	HYDRAULIC QUANTITY	CHECK
F	HYDRAULIC SYSTEM PRESSURE	CHECK
F	LEFT HYDRAULIC PUMP	CHECK
F	LEFT VACUUM	CHECK
F	LEFT COWL FLAP	OPEN & OFF
F	AVIONICS MASTER	ON

## TAXI

C	BRAKES	.....	CHECKED
F	FLAP HANDLE	.....	UP
F	FLAP INDICATOR	.....	0
F	FLAP HANDLE	.....	NEUTRAL

C&F	ALTIMETERS	.....	<b>&amp; CROSSCHECKED</b>
C&F	FLT & NAV INSTR	.....	<b>SET &amp; CROSSCHECKED</b>
C&F	FLT CONTROLS	.....	<b>TOPS/BOTTOMS</b>

## ENGINE RUN UP

C	LEFT & RIGHT ENGINE	.....	1700 RPM
C	PROPELLERS	.....	EXERCISE TWICE
C	LEFT ENGINE FEATHER	.....	CHECK
C	RIGHT ENGINE FEATHER	.....	CHECK
C	PROPELLERS	.....	EXERCISE
C	THROTTLES	.....	1000 RPM

C	RIGHT THROTTLE	.....	INC TO AMBIENT IMP
C	RIGHT ENGINE	.....	MAG CHECK
C	RIGHT ENGINE	.....	POWER CHECK (2300 RPM)
C	RIGHT ENGINE	.....	IDLE

C	LEFT THROTTLE	.....	INC TO AMBIENT IMP
C	LEFT ENGINE	.....	MAG CHECK
C	LEFT ENGINE	.....	POWER CHECK (2300 RPM)
C	LEFT ENGINE	.....	IDLE

C	ENGINE INSTRUMENTS	.....	CHECKED
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C	LEFT ENGINE	.....	CHECKED
F	RIGHT ENGINE	.....	CHECKED

## BEFORE TAKEOFF

F	SEAT BELT SIGN	.....	ON
F	PROPELLERS	.....	FORWARD
F	MIXTURES	.....	AUTO RICH
F	PITOT HEAT	.....	ON
F	ANN PANEL/WARNING LIGHTS	.....	CHECKED

C&F	FLAPS	.....	0
C&F	TRIM	.....	0, 0, 0

PF	DEPARTURE BRIEFING	.....	COMPLETE
F	FLT ATTENDANT	.....	NOTIFIED/ ACK
F	COCKPIT DOOR & WINDOWS	.....	AS REQUIRED

## FINAL ITEMS

F	EXTERIOR LIGHTS	.....	SET
F	FUEL BOOST PUMPS	.....	ON
F	TRANSPONDER	.....	SET
F	COWL FLAPS	.....	TRAIL
F	TAIL WHEEL	.....	LOCKED

## AFTER TAKEOFF

PNF	LANDING GEAR	.....	UP,
		.....	HANDLE NEUTRAL,
		.....	PRESSURE 0

PNF	FLAPS	.....	UP,
		.....	HANDLE NEUTRAL

PNF	FUEL BOOST PUMPS	.....	OFF
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PNF	CLIMB POWER	.....	SET
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PNF	CYLINDER HEAD TEMPERATURES	.....	CHECKED
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PNF	COWL FLAPS	.....	TRAIL
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C&F	ENGINE NACELLES	.....	<b>CHECKED</b>
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## CRUISE

PNF	EXTERIOR LIGHTS	.....	SET
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PNF	CRUISE POWER	.....	SET
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PNF	FUEL TANK SELECTORS	.....	AS REQUIRED
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PNF	CYLINDER HEAD TEMPERATURES	.....	CHECKED
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PNF	COWL FLAPS	.....	CLOSED & OFF
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PNF	MIXTURES	.....	AUTO LEAN
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PNF	SEAT BELT SIGN	.....	OFF
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## DESCENT

PNF	EXTERIOR LIGHTS	.....	SET
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PNF	SHOULDER HARNESSSES	.....	ON
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PNF	DIRECTIONAL GYROS	.....	SET
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PNF	TAIL WHEEL	.....	LOCKED
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C&F	ALTIMETERS	.....	<b>SET/ CROSSCHECKED</b>
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C&F	AIRSPED BUGS	.....	<b>SET</b>
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## APPROACH

PNF	MIXTURE	.....	AUTO RICH
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PNF	HYDRAULIC QUANTITY	.....	CHECKED
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PNF	HYDRAULIC PRESSURE	.....	CHECKED
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PNF	HEATER CONTROL SWITCH	.....	OFF
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PNF	FUEL SELECTORS	.....	MAIN TANKS
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PNF	SET BELT SIGN	.....	ON
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PNF	APPROACH BRIEFING	.....	COMPLETE
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C&F	FLT/ NAV INSTRUMENTS	.....	<b>SET/ XCHECKED</b>
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C&F	DIRECTIONAL GYROS	.....	<b>SET/ XCHECKED</b>
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## BEFORE LANDING

C&F	LANDING GEAR	.....	<b>DOWN &amp; LATCHED,</b>
		.....	<b>HANDLE NEUTRAL,</b>
		.....	<b>PRESSURE UP,</b>
		.....	<b>GREEN LIGHT</b>

## FINAL ITEMS

PNF	EXTERIOR LIGHTS	.....	SET
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PNF	FUEL BOOST PUMPS	.....	ON
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PNF	FLAPS	.....	SET
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PNF	PROPELLERS	.....	FWD
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### AFTER LANDING/ TOUCH & GO

- F ELEVATOR TRIM .....0
- F FLAP HANDLE..... UP
- F TAIL WHEEL..... AS REQUIRED

### AFTER CLEARING

- F FUEL BOOST PUMPS ..... OFF
- F EXTERIOR LIGHTS..... AS REQUIRED
- F PITOT HEAT ..... OFF
- F INVERTERS..... OFF
- F COWL FLAPS ..... OPEN & OFF
- F TRANSPONDER..... STBY
- F FLAP HANDLE..... NEUTRAL
- F CARBURETOR HEAT ..... COLD

C&F ENGINE NACELLES ..... <b>CHECKED</b>
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### SHUTDOWN

- F BRAKES..... AS REQUIRED
- F AVIONICS MASTER..... OFF
- F EXTERIOR LIGHTS..... OFF
- F TAIL WHEEL..... AS REQUIRED
- F MIXTURES..... IDLE CUT OFF
- F ALL ENGINE ROTATION ..... STOPPED
- F IGNITION ..... OFF
- F IGNITION MASTER ..... OFF
- F ANTI-COLLISION LIGHT ..... OFF
- F BATTERY SWITCH ..... OFF
- F COWL FLAPS ..... OPEN/ OFF
- F LANDING GEAR HANDLE ..... DOWN
- F FLAP HANDLE..... UP

### TERMINATION

- F FUEL SELECTORS.....OFF
- F COCKPIT WINDOWS ..... LOCKED
- F ESCAPE HATCH..... LOCKED
- F LOGBOOK ..... COMPLETE
- F CHOCKS..... INSTALLED
- F LANDING GEAR PINS ..... INSTALLED
- F CONTROL LOCKS ..... INSTALLED
- F CARBURETOR HEAT ..... HOT
- F CARBURETOR HEAT LOCK..... LOCKED
- F GENERATOR SWITCHES..... OFF
- F INSTRUMENT SWITCHES..... OFF
- F TAIL WHEEL..... LOCKED