



Douglas R4D-6 (DC-3 / C-47)

Microsoft Flight Simulator X

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Payware by www.maam.org using the „FSX basic compatibility update #1“



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Pre-Start Checklist

Parking Brakes	SET
Tail Wheel	LOCKED
Throttle	IDLE
Propellers	HIGH RPM
Mixture	IDLE-CUTOFF
Autopilot	OFF
Radio & Electr. Switches	OFF
Battery Switch	ON
Panel/Cockpit Lights Capt+FO	ON if necessary
Generators	ON
Cowl Flaps	OPEN
Landig Gear Lever	CHECK DOWN
Flaps	UP
Flight controls	CHECK
Elevator Trim	SET for takeoff (Center)
Fuel Quantity	CHECK
Fuel Selectors	FULLEST TANKS
Carburator Air	COLD
Blowers	LOW
Pitot Heat	OFF
Fasten Seatbelts	ON
No Smoking Sign	ON
Radio Master Switch	ON
Check Weather	(ATIS, Flight Services)
Anti-Ice	TEST/CHECK
<i>Request Clearance</i>	
Transponder	STANDBY
Beacon	ON
Nav Lights	Steady

Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE, cracked
Ignition Master Switch	ON
Mixture	FULL-RICH

Landing Checklist

Landing Gear	CHECK DOWN, GREEN
Landing Speed	80-85 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL
Tail Wheel	UNLOCKED

Taxi To Ramp

Flaps	RETRACT
Cowl Flaps	OPEN
Landing Lights	OFF
Propellers	HIGH RPM
Speed	Max. 20 knots
Elevator Trim	SET for takeoff (Center)
Fuel boost pumps	OFF
AC Inverters	OFF
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Tail Wheel	LOCKED
Throttle	IDLE
Passenger Signs	OFF
Pitot Heat / Anti-Ice	OFF
Mixture	IDLE-CUTOFF
Magetos	OFF
Ignition Master Switch	OFF
Fuel Selectors	OFF
Radio Master Switch	OFF
Panel/Cockpit Lights Capt+FO	OFF
Nav Lights / Beacon	OFF
Generator Switches	OFF
Battery Switch	OFF

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
Cowl Flaps	CLOSE

Descent Checklist

Altimeter	CHECK / SET
Radios	SET
Descent Speed	140 KIAS 2050 RPM 16"
Descent Rate	-400 fpm
Cowl Flaps	TRAIL
Flaps	CHECK UP
Landing Gear	CHECK UP
Fuel Balance	CHECK
Check Weather	(ATIS, Flight Services)
Passing 10'000 ft Blowers	LOW

Approach Checklist

Localizer Level Flight :

Tail Wheel	LOCKED
Fasten Seatbelts	ON
No Smoking Sign	ON
Fuel Selectors	FULLEST TANKS
Fuel boost pumps	ON
Carburator Air	AS REQUIRED
Mixture	AUTO-RICH
Speed: Establish	125 KIAS 2050 RPM 20"
Landing Lights	ON
Flaps	1/4
Speed: Establish	110 KIAS 2050 RPM 20"
Landing Gear	DOWN
Speed: Establish	95 KIAS 2050 RPM 27"
Flaps	1/2

Final Glideslope Descent :

Flaps	3/4 to FULL
Speed: Establish	90 KIAS 2050 RPM 21"
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
Autopilot	OFF

Right Engine Start

Right Fuel Booster Pump	ON
Right Prime Switch	AS REQUIRED
Right Magneto Lever	BOTH
Right Starter Switch	ENGAGE
Right Vibrator Switch	ENGAGE ==> Engine starts
Oil Pressure	CHECK
Right Fuel Booster Pump	OFF

Repeat for left Engine

Mixture	AUTO-RICH
AC Inverters	ON/CHECK
Engine Instruments	CHECK

Before Taxi Checklist

Altimeter	SET
Heading Indicator	SET (Press "D")
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
Instruments	NORMAL OPERATION
Anti-Ice	AS REQUIRED

Request Taxi Clearance

Taxi Checklist

Tail Wheel	UNLOCKED
Parking Brake	RELEASE
Taxi to assigned runway	SPEED Max. 20 knots
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns

Engine Runup

Parking Brake	SET
Tail Wheel	LOCKED
Throttle	1000 to 1200 RPM
Mixture	AUTO-RICH
Engine Instruments	CHECK
Fuel Selectors	FULLEST TANKS
Throttle	1700 RPM
Propellers	EXERCISE
Propellers	FEATHERING CHECK
Propellers	EXERCISE
Magnetos	± 25 RPM L-Both-R-Both
	Test each engine separately.
Throttle	IDLE

Before Take-off Checklist

Parking Brake	SET
Tail Wheel	UNLOCKED
Throttle	IDLE
Propellers	HIGH RPM
Mixture	AUTO-RICH
Cowl Flaps	TRAIL
Elevator Trim	SET for takeoff (Center)
Engine Instruments	CHECK
Radios and Avionics	SET
Fuel Booster Pumps	ON
Landing Lights	ON
Pitot Heat	ON
Anti-Ice	AS REQUIRED
Transponder	ON

Request Takeoff Clearance

Take-off Checklist

Tail Wheel	LOCKED
Smoothly increase thrust to	FULL 2800 RPM 52"
Brakes	RELEASE
At 45 kts	apply forward yoke until tail lifts to horizontal
V1 =	80 KIAS (decision)
Vr =	85 KIAS (rotate)
Pitch	10 degrees
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
Trim for climb to maintain	105 KIAS 2600 RPM 40"
Engine Instruments	CHECK

Climb-out Checklist

Autopilot	CHECK and SET
Climb Rate	400fpm
Airspeed	105 KIAS 2400 RPM 30"
Landing Lights	OFF
Fasten Seatbelts	OFF
No Smoking Sign	OFF
Fuel Booster Pumps	OFF
Passing 10'000 ft	Blowers HIGH
Engine Instruments	MONITOR
Carburator Air	AS REQUIRED
<i>ATC</i>	AS REQUIRED

Cruise Checklist

Accelerate to cruise speed	145 KIAS 2050 RPM 30"
Service Ceiling	24'000 ft
Engine+Instruments	CHECK
Cowl Flaps	CLOSED
Mixture	AUTO-LEAN (or AS REQUIRED)
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	as required