

DHC-2 Mk III Turbo Beaver (wheel) Microsoft Flightsimulator 2002

Aircraft and Panel :

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Pre-Start Checklist

Exterior Inspection	
Parking Brakes	SET
Power Lever	IDLE
Fuel Lever	CUTOFF
Propeller Control	HIGH RPM
Battery Switch	OFF
Generator Switch	ON
Avionics Switch	OFF
Fuel Boost Pump	OFF
Pitot Heat	OFF
Battery Switch	ON
Instr. Light	ON if required
Clock	SET
Flaps	UP
Fuel Quantity	CHECK
Fuel Tank Selector	FULLEST TANK
Flight controls	CHECK
Elevator Trim	SET for takeoff
Avionics Switch	ON
Check Weather	(ATIS, Flight Services)
<i>Request Clearance</i>	
Transponder	SET
Strobe Light	ON

Startup Checklist

Engine and Propeller Area	CLEAR
Power Lever	IDLE
Fuel Lever	1/2
Propeller Control	HIGH RPM
Fuel Boost Pump	ON
Starter Switch	START (repeatedly until engine starts)
Fuel Lever	FULL
Oil Pressure	CHECK 40 psi, light off
Feather/Unfeather Prop	CHECK once
Engine Instruments	CHECK
Fuel Boost Pump	OFF

Taxi To Ramp

Flaps	RETRACT
Landing Lights	OFF
Power Lever	MIN. POWER
Speed	Max. 20 MPH
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown Checklist

Parking Brake	SET
Power Lever	IDLE
Avionics Switch	OFF
Pitot Heat	OFF
Nav Lights	OFF
Strobes	OFF
Fuel Lever	CUTOFF
Propeller Control	FEATHER
Fuel Boost Pump	OFF
Fuel Tank Selector	OFF
Instr. Light	OFF
Battery Switch	OFF
Generator Switch	CHECK ON

Securing Aircraft

Parking Brake	Verify SET
Battery Switch	Verify OFF
Avionics Switch	Verify OFF
Electrical Switches	Verify OFF, except Gen

Before Taxi Checklist

Nav Lights	ON
Heading Indicator	SET
Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
<i>Request Taxi Clearance</i>	

Taxi Checklist

Power Lever	MIN. POWER
Parking Brake	RELEASE
Brakes	CHECK during taxi
Directional Gyro	PROPER IND. during turns
Turn Coordinator	PROPER IND. during turns
Artificial Horizon	ERECT during turns
Taxi to assigned runway	SPEED Max. 20 MPH

Before Take-off Checklist

Parking Brake	SET
Pitot Heat	ON
Landing Lights	ON
Fuel Quantity	CHECK
Power Lever	IDLE
Generator Switch	VERIFY ON
Propeller Control	HIGH RPM
Elevator Trim	SET for takeoff
Flaps	SET FOR TAKEOFF
Flight Controls	FREE AND CORRECT
Engine Instruments	CHECK
Radios and Avionics	SET
Fuel Boost Pump	ON
<i>Request Takeoff Clearance</i>	

Take-off Checklist

Smoothly increase Power Lever to Brakes	FULL ! torque + temperature limits !
At 40 MPH	RELEASE
V ₁ =	YOKE FWD until climb attitude
V _r =	55 MPH IAS (descision)
Pitch	65 MPH IAS (rotate)
At Positive Climb Rate	10-15 degrees
Trim for climb to maintain	Touch Brakes
At 500' AGL	85 MPH IAS (32psi)
Climb with approx.	Flaps SET FOR CLIMB
Engine Instruments	1500 fpm
	CHECK

Climb-out Checklist

Landing Lights	OFF
Fuel Boost Pump	OFF
Autopilot	CHECK and SET
Power Lever	AS REQUIRED
Airspeed	95 MPH IAS (35psi)
Engine Instruments	MONITOR
ATC	AS REQUIRED
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)	

Cruise Checklist

Service Cruise Altitude	FL230
Set Flaps to	CRUISE
Propeller Speed	75% RPM
Accelerate to cruise speed	140 MPH IAS (30psi)
V _{NE}	160 MPH IAS
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
Fuel Quantity	CHECK
Radios	TUNED and SET
Autopilot	CHECK and SET
Lights	AS REQUIRED
Engine Instruments	CHECK

Descent Checklist

Altimeter	CHECK
Radios	SET
Descent Speed	max. 140 MPH IAS (16psi)
Flaps	CHECK UP
Fuel Balance	CHECK
At Transition Altitude (FL180) reset Altimeter to local	
Check Weather	(ATIS, Flight Services)

Approach Checklist

Localizer Level Flight :

Fuel Selector	FULLEST TANK
Fuel Boost Pump	ON
Propeller Control	HIGH RPM
Speed: Establish	90 MPH IAS (14psi)
Flaps	SET TO LAND
Speed: Establish	80 MPH IAS (24psi)
Landing Lights	ON

Final Glideslope Descent :

Speed: Maintain	80 MPH IAS (16psi)
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

Landing Checklist

Autopilot	OFF
Landing Speed	75 MPH IAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL
Brakes	AS REQUIRED
Power Lever	REVERSE THRUST;
	at 40 MPH cancel reverse thrust