

# DHC-6 Twin Otter (wheel)

Microsoft Flightsimulator 2002

Aircraft and Panel : by Barry Blaisdell



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## Pre-Start Checklist

Parking Brakes	SET
Throttle	IDLE
Flaps	UP
Propeller	HIGH RPM
Fuel Cond. Lever	FUEL CUTOFF (Ctrl-Shift-F1)
Battery Switch	ON
Panel Lights	ON if required
Fuel Quantity	CHECK
Flight controls	CHECK
Avionics Master Switch	ON
Check Weather	(ATIS, Flight Services)
Anti-ice Switch	ON
Anti-ice Annunciators	ILLUMINATED
<b>Request Clearance</b>	
Transponder	SET
Beacon	ON

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE
Fuel Flow	ON (Ctrl-Shift-F4)
Right Ignition and Engine Start Switch	ON (hold until engine starts)
Right ITT and N1 Turbine RPM	MONITOR
Right FUEL PRESS LO Annunciator	EXTINGUISHED
Right OIL PRESS LO Annunciator	EXTINGUISHED
Right Oil Pressure	CHECK
Right Generator	ON
Left Ignition and Engine Start Switch	ON (hold until engine starts)
Left ITT and N1 Turbine RPM	MONITOR
Left FUEL PRESS LO Annunciator	EXTINGUISHED
Left OIL PRESS LO Annunciator	EXTINGUISHED
Left Oil Pressure	CHECK
Left Generator	ON
Feather/Unfeather Props	CHECK once
Engine Instruments	CHECK



## Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Anti-ice	OFF
Propeller Synchrophaser	ON
Speed	Max. 20 knots
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

## Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Autofeather	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Lights	OFF
Strobes	OFF
Pitot Heat	OFF
Fuel Cond. Lever	CUTOFF (Ctrl-Shift-F1)
Propeller	FEATHER
Beacon	OFF
Panel Light	OFF
Battery Switch	OFF when N1<15%
Generator Switches	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

## Before Taxi Checklist

Strobe Light	ON
Nav Lights	ON
Taxi Lights	ON
Heading Indicator / Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	SET and OFF
Autofeather	ARM
Anti-ice	AS REQUIRED
<i>Request Taxi Clearance</i>	

## Taxi Checklist

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 knots

## Before Take-off Checklist

Parking Brake	SET
Pitot Heat	ON
Landing Lights	ON
Fuel Quantity	CHECK
Throttle	IDLE
Propeller	HIGH RPM
Elevator Trim	SET for takeoff
Flaps	SET 5-15 deg
Flight Controls	FREE AND CORRECT
Engine Instruments	CHECK
Annunciator Lights	CHECK
Radios and Avionics	SET
<i>Request Takeoff Clearance</i>	

## Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	80 KIAS (descision)
Vr =	85 KIAS (rotate)
Pitch	10-15 degrees
V2	90 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Trim for climb to maintain	95 KIAS Torque 70
At 500' AGL	RETRACT FLAPS
Annunciator Lights	CHECK
Engine Instruments	CHECK

## Climb-out Checklist

Propeller Synchrophaser	ON
Autopilot	CHECK and SET
Taxi Lights	OFF
Landing Lights	OFF
Airspeed	110 KIAS Torque 75
Climb Rate	approx. 1200 fpm
Engine Instruments	MONITOR
<b>ATC</b>	<b>AS REQUIRED</b>
At Transition Altitude (FL180) set Altimeter to 29,92" (1013mb)	

## Cruise Checklist

Accelerate to cruise speed	170 KIAS Torque 90
Autofeather	OFF
Service Ceiling	20-25'000 ft
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

Atis/Airport Information	CHECK
Altimeter	CHECK
Radios	SET
Autofeather	ARM
Descent Speed	140 KIAS Torque 25
Flaps	CHECK UP
Fuel Balance	CHECK
At Transition Altitude (FL180) reset Altimeter to local	
Check Weather	(ATIS, Flight Services)

## Approach Checklist

### Localizer Level Flight :

Autofeather	VERIFY ARMED
Propeller	HIGH RPM
Fuel Cond. Lever	FULL
Speed: Establish	120 KIAS Torque 40
Flaps	SET 5 deg
Speed: Establish	100 KIAS Torque 40-50
Flaps	SET 15 deg
Landing Lights	ON
Turning toward runway: set flaps	35 deg

### Final Glideslope Descent :

Speed: Establish	90 KIAS Torque 30-40
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF
Anti-ice	AS REQUIRED

## Landing Checklist

Autopilot	OFF
Autothrottle (IAS)	OFF
Landing Speed	80 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
After touchdown	Apply Reverse Thrust, at 50 kts: Cancel Reverse Thrust