



# DHC-2 Beaver (wheel) Microsoft Flight Simulator X

Aircraft and Panel : Mathijs Kok & Team

Payware by [www.aerosoft.com](http://www.aerosoft.com)



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100 KTS ≈ 115,4 MPH

100 MPH ≈ 86,7 KTS

## DHC-2 Beaver wheel version

### Pre-Start Checklist

Exterior Inspection	
Parking Brake	SET
Throttle	IDLE
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Battery & Alternator Switches	OFF
Magneto Switch	OFF
Starter Switch	OFF
Fuel Boost Pump Switch	OFF
Pitot Heat	OFF
Carburator Heat	OFF
Battery Switch	ON
Panel Light	ON if required
Flaps	UP
Flight Controls	CHECK
Elevator Trim	SET for takeoff
Fuel Quantities	CHECK
Fuel Tank Selector	FULLEST TANK
Clock	SET
Radios	ON
Check Weather	(ATIS, Flight Services)
<b>Request Clearance</b>	
Transponder	STANDBY
Beacon	ON



## Landing Checklist

Landing Speed	70 MPH IAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER TAIL WHEEL
Brakes	MINIMUM REQUIRED

## Taxi To Ramp

Strobe Light	OFF
Flaps	RETRACT
Landing Lights	OFF
Speed	Max. 20 MPH
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

## Shutdown and Securing Aircraft Checklist

Parking Brake	SET
Throttle	IDLE
Carburator Heat	OFF
Fuel Boost Pump	OFF
Pitot Heat	OFF
Nav (Pos) Lights	ON
Mixture	CUTOFF
Magneto Switch	OFF
Fuel Tank Selector	OFF
Beacon	OFF
Panel Light	OFF
Radios	OFF
Battery Switch	OFF
Alternator Switch	OFF

## Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF

## Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	OPEN 1/4 INCH
Propeller	HIGH RPM
Mixture	RICH
Carburator Heat	ON
Fuel Boost Pump	ON
Magneto Switch	BOTH
Starter Switch	START
Throttle	IDLE
Alternator Switch	ON
Fuel Boost Pump	OFF
Oil Pressure, Ammeter	CHECK
Engine Instruments	CHECK

## Before Taxi Checklist

Nav (Pos) Lights	ON
Altimeter	SET
Heading Indicator	SET (Press "D")
Radios and Avionics	CHECKED and SET
Fuel Selector	FULLEST TANK

### *Request Taxi Clearance*

## Taxi Checklist

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

## Before Take-off Checklist

Parking Brake	SET
Throttle	IDLE
Propeller	HIGH RPM
Mixture	RICH
Carburetor Heat	ON
Elevator Trim	SET for takeoff
Flaps	SET FOR TAKEOFF
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON
Strobe Light	ON
Pitot Heat	ON
Fuel Boost Pump	ON
Engine Instruments	CHECK
Transponder	ON

### *Request Takeoff Clearance*

## Take-off Checklist

Smoothly increase thrust to	MP = 37"
Brakes	RELEASE
At 40 MPH	apply forward yoke until tail lifts to horizontal
V1 =	55 MPH IAS (decision)
Vr =	65 MPH IAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Trim for climb to maintain	80 MPH IAS
At 500' AGL	Flaps SET FOR CLIMB
Engine Instruments	CHECK

## Climb-out Checklist

Airspeed	100 MPH IAS 32"
Propeller	2000 RPM
Climb rate	700 fpm
Landing Lights	OFF
Fuel Boost Pump	OFF
<b>ATC</b>	<b>AS REQUIRED</b>

## Cruise Checklist

Set Flaps to	CRUISE	
Accelerate to cruise speed	125 MPH IAS	26"
Propeller	2000 RPM	
Ceiling altitude	15'000 ft	
Carburetor Heat	AS REQUIRED	
Engine+Instruments	CHECK	
Fuel Quantity	CHECK	
Radios	TUNED and SET	
Lights	AS REQUIRED	
Engine Instruments	CHECK	

## Descent Checklist

Atis/Airport Information	CHECK	
Altimeter	CHECK	
Radios	SET	
Descent Speed	120 MPH IAS	18"
Propeller	1800 RPM	
Descent Rate	-700 fpm	
Flaps	CHECK UP	

## Approach Checklist

Landing Lights	ON	
Carburetor Heat	ON	
Fuel Selector	FULLEST TANK	
Fuel Boost Pump	ON	
Propeller	HIGH RPM	
Speed: Establish	100 MPH IAS	21"
Speed: Establish	90 MPH IAS	19"

### *Final descent*

Flaps	SET TO LAND	
Speed: Establish	80 MPH IAS	26"
Mixture	RICH	
Elevator Trim	AS DESIRED	
Parking Brake	VERIFY OFF	