De Havilland DH-104 Dove

Microsoft Flight Simulator 2004

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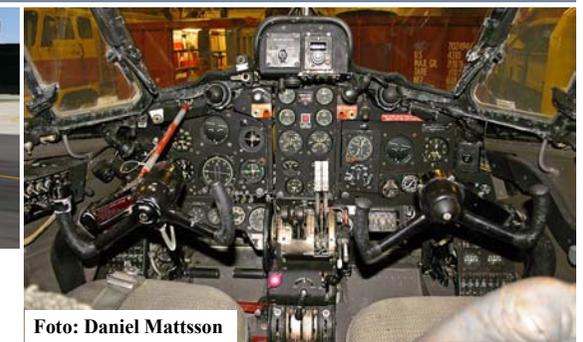
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Other simulator checklists and other sim/real aviation items available for download at http://www.faatest.com and http://www.faatest.com/downloads/simchecklists/simchecklists.html

Pre-Start Checklist

Parking Brakes	SET
Ground/Flight Switch	GROUND
Throttle	IDLE
Battery Switch	OFF
Generator Switches	OFF
Inverter Switch	OFF
Priming Switch	OFF
Magneto & Engine Start Switches	OFF
Fuel Pump Switches	OFF
Pitot Heat	OFF
Landing Gear Lever	CHECK DOWN
Cowl Flaps	OPEN
Flaps	UP
Propeller	HIGH RPM
Fuel Flow / Mixture	CUTOFF
Battery Switch	ON
Panel Lights	ON if required
Inverter Switch	ON
Fuel Tank Selectors	ALL
Fuel Quantity	CHECK
Elevator Trim	NEUTRAL (takeoff setting)
Flight controls	CHECK
Check Weather	(ATIS, Flight Services)
De-Ice	CHECK
Carb Air Filter	ON
Carb. Heat	COLD
Request Clearance	
Transponder	STANDBY
Beacon (Anti-collision Light)	ON

Engine Startup Checklist

Engine and Propeller Area	CLEAR
Throttle	IDLE
Fuel Flow / Mixture	FULL RICH
Propeller	HIGH RPM

Shutdown Checklist

Parking Brake	SET
Throttle	IDLE
Nav Light / Taxi Lights	OFF
Pitot Heat / Carb. Heat	OFF
Fuel Flow / Mixture	CUTOFF
Fuel Selectors	OFF
Magnetos	OFF
Beacon (Anti-collision Light)	OFF
Panel Light	OFF
Battery Switch	OFF
Inverter / Generator Switches	OFF
Ground/Flight Switch	GROUND

Securing Aircraft

Parking Brake	Verify SET
Throttle	Verify IDLE
All Switches	Verify OFF
Cowl Flaps	CLOSED

Approach Checklist

Localizer Level Flight :

Landing Lights	ON	
Fuel Tank Selectors	ALL	
Fuel Pumps	ON	
Carb Air Filter	ON	
Carb. Heat / De-Ice	AS REQUIRED	
Mixture	FULL RICH	
Propeller	2000 RPM	
Speed: Establish	100 KIAS	MP –3.0
Flaps	20	
Speed: Establish	90 KIAS	MP –1.0
Landing Gear	DOWN	
Turning toward runway: set flaps	FULL DOWN	

Final Glideslope Descent :

Speed: Establish	80 KIAS	MP –2.0
Parking Brake	VERIFY OFF	

Landing Checklist

Landing Gear	CHECK DOWN, 3 GREEN
Autopilot	OFF
Landing Speed	75 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL

Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
De-Ice	OFF
Fuel Pumps	OFF
Speed	Max. 20 knots
Cowl Flaps	OPEN
Elevator Trim	NEUTRAL (takeoff setting)
Avionics/Radios	AS REQUIRED
Transponder	1200

STBD Engine

Fuel Pump	ON
Magneto Switch	BOTH
Priming Switch	SELECT ENGINE
Engine Start Switch/Button	ENGAGE
Generator Switch	ON
Oil Pressure	CHECK 40 psi min
Fuel Pressure	CHECK 25 – 29 psi

Repeat for PORT Engine

Aftert Engine Startup Checklist

Loadmeter / Voltmeter	CHECK
Priming Switch	OFF (central)
Ground/Flight Switch	FLIGHT

Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator	SET
Altimeter	SET
Instruments	NORMAL OPERATION
Radios and Avionics	CHECKED and SET
Autopilot	OFF

Request Taxi Clearance

Taxi Checklist

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

Before Take-off Checklist

Parking Brake	SET
Fuel Quantity	CHECK
Cowl Flaps	CHECK OPEN
Throttle	IDLE
Propeller	HIGH RPM
Mixture	FULL RICH
Carb Air Filter	ON
Carb. Heat	AS REQUIRED
Elevator Trim	SET for takeoff
Flaps	20
Flight Controls	FREE AND CORRECT
Radios and Avionics	SET
Landing Lights	ON
Taxi Lights	OFF
Pitot Heat	ON
De-Ice	AS REQUIRED
Engine Instruments	CHECK
Transponder	SET

Request Takeoff Clearance

Take-off Checklist

Smoothly increase throttle to	FULL	MP +7.3
Propeller	3000 RPM	
Brakes	RELEASE	
V1 =	70 KIAS (descision)	
Vr =	75 KIAS (rotate)	
Pitch	8-10 degrees	
V2 =	85 KIAS (safety speed)	
At Positive Climb Rate	Touch Brakes	
Landing Gear	RETRACT	
Flaps	UP	
Trim for climb to maintain	100 KIAS	MP +3.8
Annunciator Lights	CHECK	
Engine Instruments	CHECK	

Climb-out Checklist

Autopilot	CHECK and SET	
Airspeed	130 KIAS	MP +4.0
Propeller	2600 RPM	
Climb Rate	+700 fpm	
Landing Lights	OFF	
Engine Instruments	MONITOR	
Carb Air Filter	OFF above 1000 ft	
ATC	***AS REQUIRED***	

Cruise Checklist

Accelerate to cruise speed	8000ft	150 KIAS	MP +4.5
Propeller		2300 RPM	
Fuel Pumps		OFF	
Altimeter		SET and compared	
Engine+Instruments		CHECK	
Cowl Flaps		CLOSED	
Engine Temperatures		STABILIZE at cruise cond.	
Fuel Quantity		CHECK	
Fuel Tank Selectors		ALL	
Radios		TUNED and SET	
Autopilot		CHECK and SET	
Lights		as required	

Descent Checklist

Atis/Airport Information	CHECK	
Altimeter	CHECK	
Descent Speed	135 KIAS	MP –5.5
Propeller	2000 RPM	
Descent Rate	-700 fpm	
Carb. Heat	AS REQUIRED	
Flaps	CHECK UP	
Landing Gear	CHECK UP	
Fuel Balance	CHECK	
Cowl Flaps	CHECK CLOSED	
Check Weather	(ATIS, Flight Services)	