

Robin DR400-180

Microsoft Flightsimulator 2002

Aircraft and Panel : by Jean-Pierre Bonnefon, Philippe Jacquot, Domenico Peracchione, Stephane Mauve et Didier Halatre.



Werner Schott
Switzerland
w.schott@abts.ch



Pre-Start Checklist

Parking Brakes	SET
Throttle	CLOSED
Magneto/Starter Switch	OFF
Battery & Alternator Master Switches	OFF
Avionics	OFF
Fuel Pump Switch	OFF
Mixture/Fuel Flow	CUTOFF
Battery Switch	ON
Flight controls	CHECK
Flaps	UP
Fuel Quantity	CHECK
Avionics Switch	ON
Check Weather	(Atis, Flight Services)
<i>Request Clearance</i>	
Transponder	SET
Beacon/Strobe Light	ON

Startup Checklist

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

Before Taxi Checklist

Nav Lights	ON
Taxi Lights	ON
Heading Indicator	SET
Altimeter	SET

Taxi To Ramp

Flaps	RETRACT
Taxi Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Throttle	AS REQUIRED
Elevator Trim	TAKEOFF SETTING
Avionics/Radios	AS REQUIRED
Transponder	1200

Shutdown and Securing Aircraft Checklist

Parking Brake	SET
Throttle	IDLE
Carburator Heat	OFF
Avionics Switch	OFF
Taxi Lights	OFF
Nav Lights	OFF
Pitot Heat	OFF
Mixture/Fuel Flow	CUTOFF
Magneto/Starter Switch	OFF
Fuel Pump Switch	OFF
Beacon/Strobe Light	OFF
Battery & Alternator Master Switches	OFF

Instruments
Radios and Avionics
Request Taxi Clearance

NORMAL OPERATION
CHECKED and SET

Taxi Checklist

Throttle
Mixture
Parking Brake
Brakes
Directional Gyro
Turn Coordinator
Artificial Horizon
Taxi to assigned runway

MIN. POWER
RICH
RELEASE
CHECK during taxi
PROPER IND. during turns
PROPER IND. during turns
ERECT during turns
SPEED Max. 20 knots

Before Take-off Checklist

Parking Brake
Pitot Heat
Landing Lights
Fuel Quantity
Fuel Pump
Throttle
Mixture
Alternator Switch
Throttle
Magnetos

SET
ON
ON
CHECK
ON
IDLE
RICH
VERIFY ON
1800 RPM
CHECK
<125 RPM drop on each,
<50 RPM drop between
CHECK Positive charge ind.
IDLE
CHECK
SET for takeoff
SET 15 degrees
FREE AND CORRECT
SET

Ammeter
Throttle
Oil Temperature
Elevator Trim
Flaps
Flight Controls
Radios and Avionics
Request Takeoff Clearance

Take-off Checklist

Smoothly increase thrust to	FULL
Brakes	RELEASE
V1 =	55 KIAS (descision)
Vr =	65 KIAS (rotate)
Pitch	10-15 degrees
At Positive Climb Rate	Touch Brakes
Trim for climb to maintain	75 KIAS
At 500' AGL	RETRACT Flaps
Engine Instruments	CHECK

Climb-out Checklist

Throttle	2400 RPM
Mixture	RICH
Taxi Lights	OFF
Landing Lights	OFF
Carburator Heat	OFF
Airspeed	85 KIAS 2400 RPM
Climb Rate	700 fpm
Fuel Pump	OFF
ATC	AS REQUIRED

Cruise Checklist

Accelerate to cruise speed	120 KIAS 2650 RPM
Engine+Instruments	CHECK
Engine Temperatures	STABILIZE at cruise cond.
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	100 KIAS 2000 RPM
Descent Rate	-700 fpm
Flaps	CHECK UP

Approach Checklist

Localizer Level Flight :

Fuel Pump	ON
Carburator Heat	ON
Speed: Establish	90 KIAS 2100 RPM
Landing Lights	ON
Flaps	15 degrees
Speed: Establish	80 KIAS 2100 RPM
Turning toward runway: set flaps	FULL DOWN (60 degrees)
Speed: Establish	80 KIAS 2200 RPM

Final Glideslope Descent :

Mixture	RICH (on final)
Speed: Establish	70 KIAS 1800 RPM
Descent Rate	-350 fpm
Elevator Trim	AS DESIRED
Parking Brake	VERIFY OFF

Landing Checklist

Landing Speed	60 KIAS
Touchdown	MAIN WHEELS FIRST
Landing Roll	LOWER NOSE WHEEL
Brakes	MINIMUM REQUIRED