

# Robin DR400-180

## Microsoft Flightsimulator 2002

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## 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)
<b><i>Request Clearance</i></b>	
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*

## Taxi Checklist

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

NORMAL OPERATION  
CHECKED and SET

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  
Brakes  
V1 =  
Vr =  
Pitch  
At Positive Climb Rate  
Trim for climb to maintain  
At 500' AGL  
Engine Instruments

FULL  
RELEASE  
55 KIAS (descision)  
65 KIAS (rotate)  
10-15 degrees  
Touch Brakes  
75 KIAS  
RETRACT Flaps  
CHECK

## Climb-out Checklist

Throttle  
Mixture  
Taxi Lights  
Landing Lights  
Carburator Heat  
Airspeed  
Climb Rate  
Fuel Pump

2400 RPM  
RICH  
OFF  
OFF  
OFF  
85 KIAS      2400 RPM  
700 fpm  
OFF

**ATC**

**AS REQUIRED**

## Cruise Checklist

Accelerate to cruise speed  
Engine+Instruments  
Engine Temperatures  
Fuel Quantity  
Radios  
Lights  
Engine Instruments

120 KIAS      2650 RPM  
CHECK  
STABILIZE at cruise cond.  
CHECK  
TUNED and SET  
as required  
CHECK

## Descent Checklist

Atis/Airport Information  
Altimeter  
Radios  
Descent Speed  
Descent Rate  
Flaps

CHECK  
CHECK  
SET  
100 KIAS      2000 RPM  
-700 fpm  
CHECK UP

## Approach Checklist

### *Localizer Level Flight :*

Fuel Pump  
Carburator Heat  
Speed: Establish  
Landing Lights  
Flaps  
Speed: Establish  
Turning toward runway: set flaps  
Speed: Establish

ON  
ON  
90 KIAS      2100 RPM  
ON  
15 degrees  
80 KIAS      2100 RPM  
FULL DOWN (60 degrees)  
80 KIAS      2200 RPM

### *Final Glideslope Descent :*

Mixture  
Speed: Establish  
Descent Rate  
Elevator Trim  
Parking Brake

RICH (on final)  
70 KIAS      1800 RPM  
-350 fpm  
AS DESIRED  
VERIFY OFF

## Landing Checklist

Landing Speed  
Touchdown  
Landing Roll  
Brakes

60 KIAS  
MAIN WHEELS FIRST  
LOWER NOSE WHEEL  
MINIMUM REQUIRED