

## Flight Checklist

### BEFORE STARTING

<input type="checkbox"/> Parking Brake	SET (press CTRL+PERIOD key)
<input type="checkbox"/> All Avionics	OFF
<input type="checkbox"/> Landing Gear Handle	DOWN (press G to toggle)
<input type="checkbox"/> Cowl Flaps	CHECK OPEN
<input type="checkbox"/> Fuel Selectors	CHECK ON (press SHIFT+4 to display throttle quadrant)
<input type="checkbox"/> All Switches and Equipment Controls	CHECK
<input type="checkbox"/> Battery and Alternator Switches	ON
<input type="checkbox"/> Fuel Quantity Indicators	CHECK QUANTITY
<input type="checkbox"/> Landing Gear Position Lights	CHECK

### STARTING

Press CTRL+E to initiate engine autostart sequence, or:

#### LEFT ENGINE:

(press E, then 1 to move focus to left engine)

<input type="checkbox"/> Mixture Control	FULL RICH (press CTRL+SHIFT+F3 until fully forward)
<input type="checkbox"/> Propeller Control	HIGH RPM (press CTRL+F3 until fully forward)
<input type="checkbox"/> Throttle	FULL OPEN (press F3 until fully forward)
<input type="checkbox"/> Fuel Boost Pump Switch	HI (until fuel flow peaks, then OFF)
<input type="checkbox"/> Throttle	CLOSE; THEN OPEN APPROX. 1/2 INCH (press F3 until fully in, then press F2 as necessary)
<input type="checkbox"/> Magneto/Start Switch	START position; release to BOTH position when engine starts (press M+PLUS key to R, L, Both, Start)
<input type="checkbox"/> Throttle	900 to 1000 RPM after start

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<input type="checkbox"/> Throttle	900 to 1000 RPM after start
<input type="checkbox"/> Oil Pressure	10 PSI WITHIN 30 SECONDS
<input type="checkbox"/> Warm-up	900 to 1000 RPM
<input type="checkbox"/> Alternator Switch	ON
<input type="checkbox"/> Loadmeters and Voltmeter	CHECK FOR BATTERY CHARGE
<input type="checkbox"/> Red "START" Annunciator Light	CHECK (should be illuminated during start and extinguished after start)

#### RIGHT ENGINE:

(press E, then 2 to move focus to left engine)

<input type="checkbox"/> Mixture Control	FULL RICH (press CTRL+SHIFT+F3 until fully forward)
<input type="checkbox"/> Propeller Control	HIGH RPM (press CTRL+F3 until fully forward)
<input type="checkbox"/> Throttle	FULL OPEN (press F3 until fully forward)
<input type="checkbox"/> Fuel Boost Pump Switch	HI (until fuel flow peaks, then OFF)
<input type="checkbox"/> Throttle	CLOSE; THEN OPEN APPROX. 1/2 INCH (press F3 until fully in, then press F2 as necessary)
<input type="checkbox"/> Magneto/Start Switch	START position; release to BOTH position when engine starts (press M+PLUS key to R, L, Both, Start)
<input type="checkbox"/> Throttle	900 to 1000 RPM after start
<input type="checkbox"/> Oil Pressure	10 PSI WITHIN 30 SECONDS
<input type="checkbox"/> Warm-up	900 to 1000 RPM
<input type="checkbox"/> Alternator Switch	ON
<input type="checkbox"/> Loadmeters and Voltmeter	CHECK FOR BATTERY CHARGE
<input type="checkbox"/> Red "START" Annunciator Light	CHECK (should be illuminated during start and extinguished after start)

(press E, then 1, then 2 to move focus to both engines)

### AFTER STARTING AND TAXI

## Flight Checklist

### AFTER STARTING AND TAXI

[ ] Avionics	ON, AS REQUIRED (press SHIFT+2 to display radio stack)
[ ] Exterior Lights	AS REQUIRED
[ ] Brakes	RELEASE AND CHECK (press PERIOD key)

### BEFORE TAKEOFF

[ ] Parking Brake	SET (press CTRL+PERIOD key)
[ ] Fuel Boost Pumps	OFF (if ambient temperature is 32 degrees C or above, use LOW pressure boost)
[ ] All Instruments	CHECKED
[ ] Fuel Indicators	CHECK QUANTITY INDICATED
[ ] Mixture	ADJUST AS REQUIRED BY FIELD ELEVATION WHEN SETTING FULL POWER FOR TAKEOFF
[ ] Fuel Selectors	CHECK ON
[ ] Red "START" Annunciator Light	CHECK (should be illuminated during start and extinguished after start)
[ ] Throttles	2200 RPM (press F2 and F3 as necessary)
[ ] Propellers	EXERCISE (to obtain 200-300 RPM drop, then return to high RPM) (press CTRL+F2 and CTRL+F3 as necessary)
[ ] Throttles	1700 RPM (press F2 and F3 as necessary)
[ ] Magnetos	CHECK <150 RPM drop on each; <50 RPM drop between (Press M+MINUS SIGN and M+PLUS SIGN to L, R, L, Both)
[ ] Throttles	1500 RPM (press F2 and F3 as necessary)
[ ] Propellers	FEATHERING CHECK

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[ ] Propellers	(press F2 and F3 as necessary) FEATHERING CHECK (Do not allow an RPM drop of more than 300 RPM)
[ ] Throttles	IDLE (note RPM) (press F2 as necessary)
[ ] Throttles	900 to 1000 RPM (press F2 and F3 as necessary)
[ ] Trim	AS REQUIRED FOR TAKEOFF (with Num Lock off, press Num Pad 1 and Num Pad 7 as necessary)
[ ] Flaps	CHECK AND SET FOR TAKEOFF (press F6 and F7 as necessary)
[ ] Flight Controls	CHECK PROPER DIRECTION AND FREEDOM OF MOVEMENT
[ ] Ice Protection Systems	AS REQUIRED
[ ] Parking Brake	OFF (press PERIOD key)

### TAKEOFF

[ ] Minimum Takeoff Oil Temperature	24 degrees C
[ ] Throttles	FULL (press F3 until fully forward)
[ ] Propellers	MAX RPM (press CTRL+F3 until fully forward)
[ ] Mixture	FULL RICH (press CTRL+SHIFT+F3 until fully forward)
[ ] Airspeed	ACCELERATE TO AND MAINTAIN RECOMMENDED SPEEDS (see Reference tab)
[ ] Landing Gear	RETRACT (when positive rate of climb is established) (press G)
[ ] Airspeed	ESTABLISH DESIRED CLIMB SPEED (when clear of obstacles)

### CLIMB

[ ] Throttles	FULL
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## Flight Checklist

### CLIMB

- |                                     |   |
|-------------------------------------|---|
| <input type="checkbox"/> Throttles  | <b>FULL</b><br>(press F3 until fully forward)                                   |
| <input type="checkbox"/> Propellers | <b>2700 RPM</b><br>(press CTRL+F3 and CTRL+F2 as necessary)                     |
| <input type="checkbox"/> Mixture    | <b>LEAN AS REQUIRED</b><br>(press CTRL+SHIFT+F2 and CTRL+SHIFT+F3 as necessary) |
| <input type="checkbox"/> Cowl Flaps | <b>OPEN</b>   |
| <input type="checkbox"/> Airspeed   | <b>105 KIAS</b>   |

### CRUISE CLIMB

- |  |   |
|--|---|
| <input type="checkbox"/> Throttles           | <b>FULL</b><br>(press F3 until fully forward)                                   |
| <input type="checkbox"/> Propellers          | <b>2500 RPM</b><br>(press CTRL+F3 and CTRL+F2 as necessary)                     |
| <input type="checkbox"/> Mixture             | <b>LEAN AS REQUIRED</b><br>(press CTRL+SHIFT+F2 and CTRL+SHIFT+F3 as necessary) |
| <input type="checkbox"/> Cowl Flaps          | <b>AS REQUIRED</b>  |
| <input type="checkbox"/> Airspeed            | <b>136 KIAS</b>   |
| <input type="checkbox"/> Engine Temperatures | <b>MONITOR</b>  |
| <input type="checkbox"/> Fuel Boost Pumps    | <b>AS REQUIRED</b>  |

### CRUISE

- |   |  |
|---|--|
| <input type="checkbox"/> Cowl Flaps       | <b>CLOSED</b>                                |
| <input type="checkbox"/> Power            | <b>SET</b><br>(press F2 and F3 as necessary) |
| <input type="checkbox"/> Fuel Boost Pumps | <b>AS REQUIRED</b>                           |
| <input type="checkbox"/> Mixtures         | <b>SET USING EGT</b>                         |

### DESCENT

- |                                    |   |
|------------------------------------|---|
| <input type="checkbox"/> Altimeter | <b>SET</b><br>(press B to autoset to current setting) |
|------------------------------------|---|

## Flight Checklist

### DESCENT

- |                                     |  |
|-------------------------------------|--|
| <input type="checkbox"/> Altimeter  | <b>SET</b><br>(press B to autoset to current setting)                                |
| <input type="checkbox"/> Mixture    | <b>ENRICH AS REQUIRED</b><br>(press CTRL+SHIFT+F3 and CTRL+SHIFT+F2 as necessary)    |
| <input type="checkbox"/> Cowl Flaps | <b>CLOSED</b>  |
| <input type="checkbox"/> Flaps      | <b>AS REQUIRED</b><br>(press F6 and F7 as necessary)                                 |
| <input type="checkbox"/> Power      | <b>AS REQUIRED (avoid prolonged idle settings)</b><br>(press F2 and F3 as necessary) |

### BEFORE LANDING

- |   |   |
|---|---|
| <input type="checkbox"/> Fuel Selector Valves | <b>CHECK ON</b>   |
| <input type="checkbox"/> Fuel Boost Pumps     | <b>OFF OR LOW AS PER AMBIENT TEMPERATURE</b>  |
| <input type="checkbox"/> Cowl Flaps           | <b>AS REQUIRED</b>  |
| <input type="checkbox"/> Mixture Controls     | <b>AS REQUIRED BY FIELD ELEVATION</b>   |
| <input type="checkbox"/> Flaps                | <b>APPROACH (15 degrees; when below 152 KIAS)</b><br>(press F6 and F7 as necessary) |
| <input type="checkbox"/> Landing Gear         | <b>DOWN (below 152 KIAS)</b>  |
| <input type="checkbox"/> Flaps                | <b>FULL (30 degrees; when below 122 KIAS)</b>                                       |
| <input type="checkbox"/> Airspeed             | <b>ESTABLISH NORMAL APPROACH SPEED</b><br>(approx. 95 KIAS)                         |
| <input type="checkbox"/> Propellers           | <b>HIGH RPM</b><br>(press CTRL+F3 until fully forward)                              |

### AFTER LANDING (CLEAR OF RUNWAY)

- |  |  |
|--|--|
| <input type="checkbox"/> Landing and Taxi Lights | <b>AS REQUIRED</b>   |
| <input type="checkbox"/> Flaps                   | <b>UP</b><br>(press F6 as necessary)                       |
| <input type="checkbox"/> Trim Tabs               | <b>SET TO ZERO</b><br>(with Num Lock off, press Num Pad 0) |

## Flight Checklist

<input type="checkbox"/> Flaps	<b>APPROACH (15 degrees; when below 152 KIAS)</b> (press F6 and F7 as necessary)
<input type="checkbox"/> Landing Gear	<b>DOWN (below 152 KIAS)</b>
<input type="checkbox"/> Flaps	<b>FULL (30 degrees; when below 122 KIAS)</b>
<input type="checkbox"/> Airspeed	<b>ESTABLISH NORMAL APPROACH SPEED</b> (approx. 95 KIAS)
<input type="checkbox"/> Propellers	<b>HIGH RPM</b> (press CTRL+F3 until fully forward)

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### AFTER LANDING (CLEAR OF RUNWAY)

<input type="checkbox"/> Landing and Taxi Lights	<b>AS REQUIRED</b>
<input type="checkbox"/> Flaps	<b>UP</b> (press F6 as necessary)
<input type="checkbox"/> Trim Tabs	<b>SET TO ZERO</b> (with Num Lock off, press <b>Num Pad 1</b> and <b>Num Pad 7</b> as necessary)
<input type="checkbox"/> Cowl Flaps	<b>OPEN</b>
<input type="checkbox"/> Fuel Boost Pumps	<b>AS REQUIRED</b>

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### SHUTDOWN

<input type="checkbox"/> Parking Brake	<b>SET</b> (press CTRL+PERIOD key)
<input type="checkbox"/> Propellers	<b>HIGH RPM</b> (press CTRL+F3 until fully forward)
<input type="checkbox"/> Throttles	<b>1000 RPM</b> (press F2 and F3 as necessary)
<input type="checkbox"/> Fuel Boost Pumps	<b>OFF</b>
<input type="checkbox"/> Electrical and Avionics Equipment	<b>OFF</b>
<input type="checkbox"/> Mixture Controls	<b>IDLE CUT-OFF</b> (press CTRL+SHIFT+F2 until fully back)
<input type="checkbox"/> Magneto/Start Switches	<b>OFF AFTER ENGINES STOP</b> (press M+MINUS key to L, R, OFF)
<input type="checkbox"/> Battery and Alternator Switches	<b>OFF AFTER ENGINES STOP</b>

**NOTE:** This aircraft's real-world checklists have been modified for use with Flight Sim