

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**

Flight Checklist

- 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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CLIMB

- Throttles **FULL**
(press F3 until fully forward)
- Propellers **2700 RPM**
(press CTRL+F3 and CTRL+F2 as necessary)
- Mixture **LEAN AS REQUIRED**
(press CTRL+SHIFT+F2 and CTRL+SHIFT+F3 as necessary)
- Cowl Flaps **OPEN**
- Airspeed **105 KIAS**

CRUISE CLIMB

- Throttles **FULL**
(press F3 until fully forward)
- Propellers **2500 RPM**
(press CTRL+F3 and CTRL+F2 as necessary)
- Mixture **LEAN AS REQUIRED**
(press CTRL+SHIFT+F2 and CTRL+SHIFT+F3 as necessary)
- Cowl Flaps **AS REQUIRED**
- Airspeed **136 KIAS**
- Engine Temperatures **MONITOR**
- Fuel Boost Pumps **AS REQUIRED**

CRUISE

- Cowl Flaps **CLOSED**
- Power **SET**
(press F2 and F3 as necessary)
- Fuel Boost Pumps **AS REQUIRED**
- Mixtures **SET USING EGT**

DESCENT

- Altimeter **SET**
(press B to autoset to current setting)

Flight Checklist

DESCENT

- Altimeter **SET**
(press B to autoset to current setting)
- Mixture **ENRICH AS REQUIRED**
(press CTRL+SHIFT+F3 and CTRL+SHIFT+F2 as necessary)
- Cowl Flaps **CLOSED**
- Flaps **AS REQUIRED**
(press F6 and F7 as necessary)
- Power **AS REQUIRED (avoid prolonged idle settings)**
(press F2 and F3 as necessary)

BEFORE LANDING

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

AFTER LANDING (CLEAR OF RUNWAY)

- Landing and Taxi Lights **AS REQUIRED**
- Flaps **UP**
(press F6 as necessary)
- Trim Tabs **SET TO ZERO**
(with Num Lock off, press Num Pad 0)

Flight Checklist

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

AFTER LANDING (CLEAR OF RUNWAY)

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

SHUTDOWN

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

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