



# CHECKLIST PA 18/180 HB-OLX

## PREFLIGHT CHECK

### CABIN

- |   |  |                               |
|---|--|-------------------------------|
| 1 | Aircraft Log -----                       | CHECKED                       |
| 2 | Control Lock -----                       | REMOVED                       |
| 3 | Ignition Switch -----                    | OFF & KEY REMOVED             |
| 4 | Battery Switch & Alternator Switch ----- | OFF                           |
| 5 | Avionics -----                           | OFF                           |
| 6 | Fuel Quantity L & R -----                | CHECKED ( <b>Endurance!</b> ) |
| 7 | Flaps -----                              | FULL DOWN                     |
| 8 | Ski L & R ( <b>if mounted</b> ) -----    | POSITION UP / DOWN            |

### OUTSIDE

- |   |                                       |               |
|---|---------------------------------------|---------------|
| 1 | Outside Check -----                   | ACCORDING AFM |
| 2 | Ski L & R ( <b>if mounted</b> ) ----- | SECURED       |

## PREFLIGHT CHECK COMPLETED

## CHECK BEFORE ENGINE START

- |    |   |                         |
|----|---|-------------------------|
| 1  | Cabin Doors & Windows -----                   | CLOSED                  |
| 2  | Seats & Seat Belts & Shoulder Harnesses ----- | ADJUSTED & SECURED      |
| 3  | Parking Brake -----                           | SET                     |
| 4  | Flaps -----                                   | UP                      |
| 5  | Fuel Selector -----                           | PROPER TANK             |
| 6  | Battery Switch & Alternator Switch -----      | ON ( <b>Red Light</b> ) |
| 7  | Circuit Breakers -----                        | CHECKED                 |
| 8  | Mixture -----                                 | RICH                    |
| 9  | Carburetor Heater -----                       | COLD                    |
| 10 | Throttle -----                                | OPEN 1cm                |

## CHECK BEFORE ENGINE START COMPLETED

## STARTING ENGINE & AFTER ENGINE START CHECK

- |    |  |                          |
|----|--|--------------------------|
| 1  | Primer ( <b>cold engine only !</b> ) -----               | 1- 3 STROKES             |
| 2  | Propeller Area & Zone behind Aircraft -----              | CLEAR                    |
| 3  | Ignition Switch -----                                    | START                    |
| 4  | Throttle -----   | 1000 RPM                 |
| 5  | Oil Pressure ( <b>after max 30"</b> ) -----              | <b>WITHIN GREEN ARC.</b> |
| 6  | Ammeter -----  | CHECKED                  |
| 7  | Ventilation, Heater, Defroster -----                     | AS REQUIRED              |
| 8  | Avionics -----<br><small>Mollis LSMF 134.825 MHz</small> | SET AS REQUIRED          |
| 9  | Engine Warm Up -----                                     | AS REQUIRED              |
| 10 | Parking Brake -----                                      | RELEASED                 |

## STARTING ENGINE COMPLETED, READY TO TAXI

For information only, not for operational use. Operate aircraft according AFM.



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## TAXI CHECK

- |   |   |         |
|---|---|---------|
| 1 | Brakes & Steering -----                   | CHECKED |
| 2 | Gyro Instruments & Magnetic Compass ----- | CHECKED |

### TAXI CHECK COMPLETED

## RUN UP

- |    |                                      |   |
|----|--------------------------------------|---|
| 1  | Parking Brake -----                  | SET   |
| 2  | Oil Temperature & Oil Pressure ----- | <b>WITHIN GREEN ARC</b>                       |
| 3  | Zone behind Aircraft -----           | CLEAR   |
| 4  | Throttle -----                       | 1800 RPM                                      |
| 5  | Carburetor Heater -----              | CHECK OPERATION                               |
| 6  | Mixture -----                        | CHECK OPERATION ( <b>EGT</b> )                |
| 7  | Magnetos (L – B – R – B) -----       | CHECKED<br>( <b>MAX.100/=DIFF.MAX.50RPM</b> ) |
| 8  | Ammeter -----                        | CHECKED                                       |
| 9  | Throttle -----                       | IDLE ( <b>Min. 600 – Max. 700 RPM</b> )       |
| 10 | Throttle -----                       | 1000 RPM                                      |

### RUN UP COMPLETED

## CHECK BEFORE DEPARTURE

- |    |  |                                |
|----|--|--------------------------------|
| 1  | Seats & Seat Belts & Shoulder Harnesses (PAX)----- | RECHECKED                      |
| 2  | Cabin Doors & Windows -----                        | CLOSED                         |
| 3  | Fuel Quantity L & R -----                          | CHECKED ( <b>Endurance !</b> ) |
| 4  | Fuel Selector -----                                | PROPER TANK                    |
| 5  | Mixture -----                                      | RICH / AS REQUIRED             |
| 6  | Carburetor Heater -----                            | COLD                           |
| 7  | Trim -----   | SET FOR TAKE OFF               |
| 8  | Flaps -----  | AS REQUIRED                    |
| 9  | Flight Instruments -----                           | CHECKED & SET                  |
| 10 | Engine Instruments -----                           | CHECKED                        |
| 11 | Primer -----                                       | IN & LOCKED                    |
| 12 | Magnetos -----                                     | BOTH                           |
| 13 | Circuit Breakers -----                             | CHECKED                        |
| 14 | Battery Switch & Alternator Switch -----           | ON ( <b>Red Light</b> )        |
| 15 | Flight Controls -----                              | FREE & CORRECT                 |
| 16 | Departure & Emergency Briefing -----               | COMPLETED                      |
| 17 | Parking Brake-----                                 | RELEASED                       |

### CHECK BEFORE DEPARTURE COMPLETED



# CHECKLIST PA 18/180 HB-OLX

## LINE UP CHECK

- |   |                                |                    |
|---|--------------------------------|--------------------|
| 1 | Approach Sector & Runway ----- | FREE               |
| 2 | Navigation Lights -----        | ON                 |
| 3 | Wind -----                     | CHECKED            |
| 4 | Runway -----                   | IDENTIFIED         |
| 5 | Transponder -----              | AS REQUIRED (7000) |
| 6 | Time -----                     | NOTED              |
| 7 | Flight Controls -----          | FREE & CORRECT     |

**LINE UP CHECK COMPLETED**

## CLIMB CHECK

- |   |                   |            |
|---|-------------------|------------|
| 1 | Climb Power ----- | FULL POWER |
| 2 | Flaps -----       | UP         |

**CLIMB CHECK COMPLETED**

## CRUISE CHECK

- |   |                           |                                |
|---|---------------------------|--------------------------------|
| 1 | Altimeter -----           | SET AS REQUIRED                |
| 2 | Cruise Power -----        | SET (ACCORDING AFM)            |
| 3 | Mixture -----             | LEANED                         |
| 4 | Fuel Quantity L & R ----- | CHECKED ( <b>Endurance !</b> ) |
| 5 | Fuel Selector -----       | PROPER TANK                    |
| 5 | Engine Instruments -----  | <b>WITHIN GREEN ARC</b>        |

**CRUISE CHECK COMPLETED**

## DESCENT CHECK

- |   |                                   |                 |
|---|-----------------------------------|-----------------|
| 1 | ATIS ( <b>if available</b> )----- | NOTED           |
| 2 | Approach Briefing -----           | COMPLETED       |
| 3 | Avionics -----                    | SET             |
| 4 | Mixture -----                     | SET AS REQUIRED |
| 5 | Cabin & PAX -----                 | SECURED         |

**DESCENT CHECK COMPLETED**

## APPROACH CHECK

- |   |                                      |                                |
|---|--------------------------------------|--------------------------------|
| 1 | Altimeter -----                      | SET QNH                        |
| 2 | Carburetor Heater -----              | AS REQUIRED                    |
| 3 | Mixture -----                        | RICH / AS REQUIRED             |
| 4 | Fuel Quantity L & R -----            | CHECKED ( <b>Endurance !</b> ) |
| 5 | Fuel Selector -----                  | PROPER TANK                    |
| 6 | Ski L & R ( <b>if mounted</b> )----- | POSITION UP / DOWN             |

**APPROACH CHECK COMPLETED**



# CHECKLIST PA 18/180 HB-OLX

## FINAL CHECK

- 1 Carburetor Heater ----- COLD
- 2 Mixture ----- RICH / AS REQUIRED
- 3 Flaps ----- SET FOR LANDING

## FINAL CHECK COMPLETED

## AFTER LANDING CHECK

- 1 Transponder ----- STBY (7000)
- 2 Navigation Lights ----- OFF
- 3 Flaps ----- UP
- 4 Trim ----- SET FOR TAKE OFF

## AFTER LANDING CHECK COMPLETED

## PARKING & ENGINE SHUT DOWN

- 1 Parking Brake ----- SET AS REQUIRED
- 2 Throttle ----- 1000 RPM
- 3 COM ----- MONITOR 121.50
- 4 Avionics ----- OFF
- 5 Electrical Consumers ----- OFF
- 6 Magnetos ----- CHECK CUT OUT
- 7 Mixture ----- CUT OFF
- 8 Ignition Switch ----- OFF & KEY REMOVED
- 9 Battery Switch & Alternator Switch ----- OFF
- 10 Flight Data & Aircraft Log ----- NOTED

## PARKING CHECK COMPLETED

### Important data for Piper Super Cub PA18 (according AFM)

### CHECK T/O PERFORMANCE ACCORDING AFM

#### Speeds IAS [mph] @ MTOW (1750lbs)

V <sub>R</sub> (Rotating speed) -----	<b>40 mph</b>
V <sub>X</sub> (Best angle of climb speed) -----	<b>55 mph</b>
V <sub>Y</sub> (Best rate of climb speed) -----	<b>60 mph</b>
V <sub>A</sub> (Maneuvering speed) -----	<b>96 mph</b>
V <sub>G</sub> (Best glide speed) -----	<b>60 mph</b>
V <sub>NO</sub> (Max.struct.cruising speed) -	<b>121 mph</b>
V <sub>NE</sub> (Never exceed speed) -----	<b>153 mph</b>
V <sub>FE</sub> (Max.Flaps ext. speed) -----	<b>85 mph</b>
V <sub>S1</sub> (Stalling speed clean config.) --	<b>47 mph</b>
V <sub>S0</sub> (Stalling speed landing config.)	<b>43 mph</b>
V <sub>Initial</sub> -----	<b>80 mph</b>
V <sub>Intermediate</sub> -----	<b>70 mph</b>
V <sub>Final</sub> -----	<b>60 mph</b>
V <sub>Ski UP</sub> (Max.speed ski UP) -----	<b>80 mph</b>
V <sub>Ski DOWN</sub> (Max.speed ski DOWN)	<b>100 mph</b>
<b>Max. Crosswind</b> -----	<b>10 kts</b>

#### Weights

MTOW -----	1750 lbs (794kg)
Empty weight -	1329lbs (603,5kg)
Max. useful load	421 lbs (190.8kg)

#### Fuel (AVGAS 100LL)

Max. capacity ---	36.0 USG (136l)
Usable fuel ----	32.0 USG (121l)
Fuel flow -----	9.3 USG (35l/h)

#### Oil (15W50)

Max. capacity (Total) -	6 Quarts
Min. quantity -----	4 Quarts

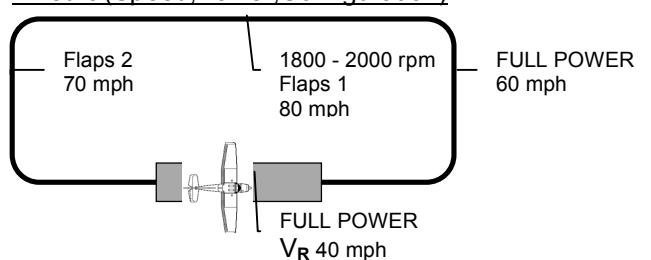
#### Tire pressure

Main wheel ---	1.7 bar (25psi)
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#### Power settings (Mixture leaned / Temp. ISA)

Pressure Alt.	65% BHP	75%BHP
2000 ft -----	2400 RPM -----	2500 RPM
4000 ft -----	2450 RPM -----	2550 RPM
6000 ft -----	2500 RPM -----	2550 RPM
8000 ft -----	2600 RPM -----	2650 RPM
10000 ft -----	2600 RPM -----	2600 RPM
12000 ft -----	2550 RPM -----	xxxx RPM

#### Circuit (Speed,Power,Configuration)



#### Ski operation:

- For long distance flight or flight in rough air, set ski down position.
- Any malfunction, land on concrete RWY, if possible

**Engine:** Avco Lycoming O-360-A3A (180 HP @ 2700 RPM)

**Electrical system:** Delco Remy 14V / 20A, Battery: 12V

**Glissade: With max. Flaps 1 !**  
**Glacier-flight freq. 130.35 MHz**

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