

# CHECKLIST C-172 PH - DON

## Before starting engine

Outside inspection	Completed
Tow bar	Stowed
Ship's papers	On board
Parking brake	Set
Seats and Seatbelts	Adjusted and secured
Doors	Closed and locked
Fuel selector	On
All electrical switches	Off
Radio's	Off
Circuit breakers	In
If Autopilot installed	Off
Master switch	On
Fuel quantity	Checked
Brakes	Checked

## Starting engine

Mixture	Rich
Carburettor heat	Cold
Prime	As required
Throttle	± 1 cm
Propeller	Clear
Beacon light	On
Ignition switch	Start

## After starting engine

Oil pressure	Check
Starter warning light	Off
Throttle	1000 RPM
Ammeter	Positive
Flaps	Up
Avionics Power Switch	On (if installed)
Radio's	On
Gyro's and Altimeter	Set
Transponder	op SBY 7000
Start flight time	Notice

## During taxiing

Brakes	Check
Gyro's	Check

## Engine check

Parking brake	Set
Throttle	1000 RPM
Mixture	Rich
Carburettor heat	Cold
Check behind	Clear
Throttle	1700 RPM
Engine instruments	Check
Ammeter and Suction	Check and in the green
Carburettor heat	Check operation
Magneto's	Check operation. Max. Drop 150 RPM – Max. Diff. 75RPM
Idling	500-700 RPM
Throttle	1000 RPM
Throttle friction	Set

## Before take-off

Primer pump	Closed and locked
Ignition	Both
Circuit breakers	In
Flight controls	Free and correct
Trim	Set for Take-off
Carburettor heat	Cold
Mixture	Rich
Flaps	As required (op grasbaan 10°)
Flight instruments	Check and set
Engine instruments	Check
Radio's and Nav.equipment	Check and set
Transponder op	ALT/7000
Strobe lights	On
Fuel Selector	Both
Safety belts	Fastened
Doors and windows	Closed and locked
Smoking	Not allowed
Pitot heat	As required
If Autopilot installed	Off
Parking brake	Off

## Normal take-off procedure

Throttle	Full
	(for details see Owners Manual)
Lift nose at	50kts
Climb	70kts (10° Flaps)

## After take-off / Enroute Climb

Brakes	Apply
Flaps	Up above 200 ft GND and safe
Throttle	Full
Climb speed	75kts (Flaps Up)

## Cruise

Throttle	± 2300 RPM
Carburettor heat	As required-check every 10min

## Before descent

Mixture	Rich
Carburettor heat	On
Altimeter	Set
Fuel selector	Both
Throttle	Set

## Downwind checks

Primer	Closed and locked
Ignition	Both
Carburettor heat	Hot
Mixture	Rich
Flaps	10°
Fuel selector	Both
Fuel quantity	Check
Engine instruments	Check
Brakes	Check
Safety belts	Fastened
Smoking	Not allowed
Speed	75kts

### Base leg checks

Throttle	± 1500 RPM
Flaps	20°
Speed	70kts

### Final checks

Throttle	± 1500 RPM
Flaps	30° of 40°
Speed	70 - 60kts

### After landing

Flaps	Up
Pitot heat	Off
Carburettor heat	Cold
Strobe lights	Off
Transponder	SBY

### Go around

Throttle	Full
Carburettor heat	cold
Climbspeed	55kts
Flaps	20° - after reaching 65kts 10°
Above 200 ft GND	flaps up

### Touch and go

Flaps	As required
Throttle	Full open
Carburettor heat	Cold

### After parking

Parking brake	Set
Throttle	1000 RPM
Radio's and Nav.equipment	Off
All electric switches	Off
Mixture	Idle cut off
Ignition	Off
Master switch	Off
Fuel selector	Closed
Control lock	Install
Time and tachometer	Notice

### EMERGENCY PROCEDURES

→ Refer also to the Owner's Manual for further details

#### Engine fire in flight

Mixture	Idle cut off
Fuel selector	Off
Master switch	Off
Cabin heat and air	Off, except overhead vents
Airspeed	120kts

---If fire is not extinguished, increase glide speed to find an airspeed which provide an incombustible mixture---

#### Electrical fire in flight

Master switch	Off
All electrical switches	Off
Radio's and Nav.equipment	Off
Cabin heat and air vents	Closed
If available, fire extinguisher	Activate

*If fire appears out and electrical power is necessary for continuance of flight:*

Master switch	On
Circuit breakers	Check for faulty circuit, <b>If Faulty circuit do not reset!!</b>
Radio/electr. Switches	On, one by one to localize the short circuit
Vents/Cabin heat and air	Open if the fire is completely extinguished

#### Cabin Fire

Master Switch	Off
Vents/Cabin Air/Heat	Closed
Fire Extinguisher	Activate

→ After discharging an extinguisher within a closed cabin, ventilate the cabin.

→ Land the airplane as soon as possible to inspect for damage.

→ Prevent Crash damage.

This Checklist is based on the effective POH  
And customized for OSCAR Luchtvaartbedrijf BV

Nr. 2 approved by HT, Nov 2015

