

NORMAL CHECKLISTS C-172 PH-JBC

Note: Checks in blue are to be performed by memory!

VFR DAY
ONLY



BEFORE STARTING ENGINE

Gust lock & pitot cover REMOVED & STOWED
Walk-around and visual inspection COMPLETED
Aircraft documents ON BOARD
Seats & seatbelts ADJUSTED & SECURED
Departure/pax briefing COMPLETED
Doors & windows CLOSED & LOCKED
Parking brake SET
Fuel selector BOTH
All electrical switches OFF
Avionics master switch OFF
Circuit breakers IN
Master switch ON
Fuel quantity CHECKED
HOBBS & VUT NOTED

STARTING ENGINE

Mixture RICH
Carburetor heat OFF
Prime AS REQUIRED & LOCKED
Throttle 1 CM
Beacon light ON
Propeller CLEAR
Ignition switch START

AFTER STARTING ENGINE

Throttle 1000 RPM
Oil pressure CHECK
Starter warning light OFF
Ammeter CHARGING (+)
Flaps UP
Avionics master switch ON
Radio equipment & transponder ON/SET
Flight instruments SET & CHECKED
Parking brake RELEASE

DURING TAXIING

Brakes CHECK
Instruments CHECK

ENGINE RUNUP

Throttle 1000 RPM
Parking brake SET
Check behind CLEAR
Throttle 1700 RPM
Engine instruments CHECK
Carburetor heat (check RPM drop) ON
Carburetor heat (RPM back 1700) OFF
Magnetos (drop 125 RPM, diff. 50) R / BOTH / L / BOTH
Ammeter CHARGING (+)
Throttle idle ±700 RPM
Throttle 1000 RPM
Throttle friction SET

BEFORE TAKEOFF

Flight controls CHECKED
Elevator trim SET FOR TAKE OFF
Flaps (grass 10°) SET FOR TAKE OFF
Transponder ALT
Landing light ON
Pitot heat AS REQUIRED
Take-Off briefing COMPLETED
Parking brake RELEASE

AFTER TAKEOFF (Above 200ft AAL)

Flaps UP
Landing light OFF

APPROACH

Approach briefing COMPLETED
Altimeter SET QNH
Primer CLOSED AND LOCKED
Magnetos BOTH
Landing light ON
Fuel selector BOTH
Mixture RICH
Brakes CHECKED
Seat belts FASTENED
Loose Items STOWED

DOWNWIND (70 kts)

Carburetor heat ON/WARM
Flaps (<87 kts) 10°
Engine instruments/fuel quantity CHECKED

BASE LEG (70 kts)

Flaps 20°

FINAL (70 - 60 kts)

Flaps AS REQUIRED

BALKED LANDING

Throttle FULL
Carburetor heat OFF
Flaps 20°
Speed Safe speed, min 55 kts

AFTER LANDING

Flaps UP
Carburetor heat OFF
Landing light OFF
Pitot heat OFF

AFTER PARKING

Throttle 1000 RPM
Parking brake SET
Avionics master switch OFF
All electrical switches (Except Beacon Light) OFF
Mixture IDLE CUT OFF
Beacon light OFF
Ignition OFF AND KEY REMOVED
Master switch OFF
HOBBS & VUT NOTED
Emergency locator transmitter NOT TRIGGERED
Gust lock & pitot cover INSTALL
Check the aircraft and windows for dirt and clean if necessary.



AEROCLUB HILVERSUM-AMSTERDAM



NL-ATO-227

ABNORMAL CHECKLISTS C-172 PH-JBC

Perform **RED AND BOLD** abnormal checklist items from memory

**VFR DAY
ONLY**



ENGINE FAILURES:

ENGINE FAILURE DURING TAKEOFF RUN

Throttle.....IDLE
Brakes.....APPLY
Flaps.....RETRACT
Mixture.....IDLE CUT OFF
Ignition switch.....OFF
Master switch.....OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed.....(flaps 10) 65 kts
.....(flaps up) 70 kts
Mixture.....IDLE CUT OFF
Fuel selector valve.....OFF
Ignition switch.....OFF
Flaps.....AS REQUIRED
Master switch.....OFF
Forced landing.....EXECUTE

ENGINE FAILURE DURING FLIGHT

Airspeed.....70 kts
Carburetor heat.....ON/WARM
Fuel selector valve.....BOTH
Mixture.....RICH
Ignition switch.....(START if propeller is stopped) BOTH
Primer.....IN AND LOCKED
(If engine fails to start)
Forced landing.....EXECUTE

ENGINE FIRES:

FIRES DURING START ON GROUND

Cranking.....CONTINUE
IF ENGINE STARTS:
Throttle.....1700 RPM FOR A FEW MINUTES
Mixture.....IDLE CUT OFF
IF ENGINE FAILS TO START:
Throttle.....FULL OPEN
Mixture.....IDLE CUT OFF
Cranking.....CONTINUE
Engine.....SECURE:
Master switch.....OFF
Ignition switch.....OFF
Fuel selector valve.....OFF

ENGINE FIRE IN FLIGHT

Mixture.....IDLE CUT-OFF
Fuel selector valve.....OFF
Master switch.....OFF
Cabin heat and air.....(except overhead vents) OFF
Airspeed.....100 kts
(if fire is not extinguished, increase glide speed to find an
airspeed which will provide an incombustible mixture)
Forced landing.....EXECUTE

ELECTRICAL FIRE IN FLIGHT

Master switch.....OFF
Avionics power switch.....OFF
All other switches(except ignition).....OFF
Vents/cabin air/heat.....CLOSED

**if fire appears out and electrical power is necessary for
continuance for flight**

Master switch.....ON
Circuit breakers.....CHECK

for faulty circuit, do not reset

Radio switches.....OFF
Avionics power switch.....ON
Radio/electrical switches.....ON

**one at a time, with delay after each until short circuit
is localized**

Vents/cabin air/heat.....OPEN
when it is ascertained that fire is completely extinguished

CABIN FIRE

Master switch.....OFF
Vents/cabin air/heat.....CLOSED
Land.....AS SOON AS POSSIBLE

ELECTRICAL POWER SUPPLY SYSTEM MALFUNCTIONS:

INSUFFICIENT RATE OF CHARGE (Ammeter shows discharge during flight)

Alternator.....OFF
Non-essential radio/electrical equipment.....OFF
Land.....AS SOON AS PRACTICAL

EXCESSIVE RATE OF CHARGE Over voltage light is illuminated

Avionics power switch.....OFF
Master switch.....(both sides) OFF
Master switch.....ON
Over voltage light.....CHECK OFF
Avionics power switch.....ON

IF OVER VOLTAGE LIGHT ILLUMINATES AGAIN:

Land.....AS SOON AS POSSIBLE

NOTE:

This checklist is a Recommended Operator Checklist and for reference only. It is not a substitute for and does not supersede the current approved Airplane Flight Manual. For a comprehensive listing see the Airplane Flight Manual.