NORMAL CHECKLISTS C-172 PH-DON

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

Aircraft documents. ON BOARD Seats & seatbelts. ADJUSTED & SECURED 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/STBY Flight instruments SET & CHECKED Parking brake RELEASE DURING TAXIING Brakes CHECK Carburetor heat (check rpm drop) ON/WARM Carbu	BEFORE STARTING ENGINE Gust lock & pitot cover Walk-around and visual inspection	REMOVED & STOWED
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 Fopeller CLEAR Ignition switch START AFTER STARTING ENGINE Throttle 1000 RPM Oil pressure CHECK Starter warning light OFF Ammeter CHARGING (+) Flaps VHORING START DURING TAXIING Brakes RELEASE DURING TAXIING Brakes CHECKED Brakes CHECKE Carburetor heat (Check rpm drop) ON/WARM CARDAL TAXIING CHECKED CHECKED CHEC	Seats & seatbelts Doors & windows Parking brake Fuel selector	ADJUSTED & SECUREDCLOSED & LOCKEDSETBOTH
STARTING ENGINE Mixture Carburetor heat OFF Prime AS REQUIRED & LOCKED Throttle Beacon light ON Propeller CLEAR Ignition switch STARTING ENGINE Throttle 1000 RPM Oil pressure CHECK Starter warning light ON Radio equipment & transponder Pright instruments DURING TAXIING Brakes CHECK Instruments CHECK ENGINE RUNUP Throttle 1000 RPM Parking brake SET Check behind CLEAR Throttle 1000 RPM Parking brake SET CHECK Carburetor heat (check rpm drop) ON/WARM Carburetor heat (drop 125 rpm, diff. 50) R / BOTH / L / BOTH Throttle 1000 RPM Throttle 1000 RPM CARDING HONE Region CHECK CARDINE RUNUP Throttle 1700 RPM Parking brake CHECK CARDINE CLEAR Throttle 1700 RPM CARDINETUREN CHECK CARDURETOR HONE Magnetos (drop 125 rpm, diff. 50) R / BOTH / L / BOTH Throttle idle ±700 RPM Throttle idle ±700 RPM Throttle friction SET BEFORE TAKE-OFF Flight controls CHECKED Rudder & elevator trim SET FOR TAKE OFF Fransponder ALT/7000 Landing light ON Strobe light ON Strobe light ON PITON PETED COMPLETED	Avionics master switch Circuit breakers Master switch	OFF IN ON
Mixture RICH Carburetor heat OFF Prime AS REQUIRED & LOCKED Throttle 1 CM Beacon light ON Propeller CLEAR Ignition switch STARTI AFTER STARTING ENGINE Throttle 1000 RPM Oil pressure CHECK Starter warning light ON Radio equipment & transponder ON/SET/STBY Flight instruments SET & CHECK Instruments CHECK Instruments CHECK Instruments CHECK Carburetor heat (check rpm drop) ON/WARM Carburetor heat (check r	HOBBS & VUT	
Throttle	Mixture Carburetor heat Prime Throttle Beacon light Propeller	OFF AS REQUIRED & LOCKED1 CMONCLEAR
Oil pressure		4000 DDM
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/WARM Throttle idle 1700 RPM Throttle idle 1700 RPM Throttle idle 1700 RPM Throttle friction SET BEFORE TAKE-OFF Flight controls CHECKED Rudder & elevator trim SET FOR TAKE OFF Transponder ALT/7000 Landing light ON Strobe light ON Pitot heat AS REQUIRED Crew/pax briefing COMPLETED	Oil pressure Starter warning light Ammeter Flaps Avionics master switch	
Throttle	Flight instruments	SET & CHECKED
Flight controls CHECKED Rudder & elevator trim SET FOR TAKE OFF Flaps (Grass, 10°) SET FOR TAKE OFF Transponder ALT/7000 Landing light ON Strobe light ON Pitot heat AS REQUIRED Crew/pax briefing COMPLETED	Parking brake DURING TAXIING Brakes	SET & CHECKED RELEASE CHECK
Strobe light	Parking brake DURING TAXIING Brakes Instruments ENGINE RUNUP Throttle Parking brake Check behind Throttle Engine instruments Carburetor heat Magnetos Magnetos Throttle idle Throttle idle Throttle	SET & CHECKED RELEASE CHECK 1000 RPM SET CLEAR 1700 RPM CHECK Check rpm drop) ON/WARM OFF iff. 50) R / BOTH / L / BOTH CHARGING (+) ±700 RPM 1000 RPM
	Parking brake DURING TAXIING Brakes Instruments ENGINE RUNUP Throttle Parking brake Check behind Throttle Engine instruments Carburetor heat Carburetor heat Magnetos Ammeter Throttle idle Throttle Throttle friction BEFORE TAKE-OFF Flight controls Rudder & elevator trim Flaps Transponder	SET & CHECKED RELEASE CHECK CHECK 1000 RPM SET CLEAR 1700 RPM CHECK Check rpm drop) ON/WARM OFF Iff. 50) R / BOTH / L / BOTH CHARGING (+) +700 RPM 1000 RPM 1000 RPM SET CHECKED SET FOR TAKE OFF TO SET FOR TAKE OFF ALT/7000

VFR DAY AND NIGHT ONLY



AFTER TAKE-OFF (Above 200ft AAL)	
Flaps	UP
Landing light	OFF
24.14.119 119.11	
BEFORE JOINING THE CIRCUIT	
Altimeter	SET ONH
Primer	AND I OCKED
Magnetos	
Landing light	
Mixture	
Fuel selector	
Brakes	
Seat belts	FASTENED
DOWNWIND (70 - 80 kts)	
Carburetor heat	ON/WARM
Flaps	
Engine instruments/fuel quantity	
Engine modamento, raci quantity	OF ILONED
BASE LEG (70 kts)	
Flaps	20°
Γιαμ5	20
FINAL (approach speed 60 - 70 kts)	
Final (approach speed 60 - 70 kts)	O DEOLUDED
Flaps	45 REQUIRED
BALKED LANDING	
	5
Throttle	
Throttle	OFF
Throttle	OFF 20°
Throttle	OFF 20°
Throttle	OFF 20°
Throttle	OFF 20° MIN 55 kts
Throttle	OFF20°MIN 55 kts
Throttle	OFFMIN 55 ktsUPUP
Throttle	OFFMIN 55 ktsUPUP
Throttle	OFF 20°MIN 55 ktsUPOFF
Throttle	OFF 20°MIN 55 ktsUPOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights	OFF 20°MIN 55 ktsUPOFF OFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder	OFF 20°MIN 55 ktsUPOFF OFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder	OFF 20°MIN 55 ktsUPOFF OFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat	OFF 20°MIN 55 ktsOFF OFF OFF STBY OFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat AFTER PARKING Throttle	OFF 20°MIN 55 ktsOFF OFF OFF STBY OFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat AFTER PARKING Throttle Parking brake Radios & transponder	OFF 20°MIN 55 ktsOFF OFF OFF STBY OFFSTBY OFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat AFTER PARKING Throttle Parking brake Radios & transponder Avionics master switch	OFF 20°MIN 55 ktsOFF OFF OFFSTBY OFFSETOFFOFFOFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat AFTER PARKING Throttle Parking brake Radios & transponder Avionics master switch	OFF 20°MIN 55 ktsOFF OFF OFFSTBY OFFSETOFFOFFOFFOFF
Throttle Carburetor heat Flaps Speed AFTER LANDING Flaps Carburetor heat Landing light Strobe lights Transponder Pitot heat AFTER PARKING Throttle Parking brake Radios & transponder Avionics master switch All electrical switches (Except Beacon Light)	OFF 20°MIN 55 ktsOFF OFF OFFOFF OFF
Throttle Carburetor heat. Flaps. Speed. AFTER LANDING Flaps. Carburetor heat. Landing light. Strobe lights. Transponder. Pitot heat. AFTER PARKING Throttle. Parking brake. Radios & transponder. Avionics master switch. All electrical switches (Except Beacon Light). Mixture	OFF
Throttle Carburetor heat. Flaps. Speed. AFTER LANDING Flaps. Carburetor heat. Landing light. Strobe lights. Transponder. Pitot heat. AFTER PARKING Throttle. Parking brake. Radios & transponder. Avionics master switch. All electrical switches (Except Beacon Light). Mixture	OFF
Throttle Carburetor heat. Flaps. Speed. AFTER LANDING Flaps. Carburetor heat. Landing light. Strobe lights. Transponder Pitot heat. AFTER PARKING Throttle Parking brake. Radios & transponder Avionics master switch. All electrical switches (Except Beacon Light). Mixture	OFF 20°MIN 55 ktsOFF OFF OFF OFF OFF OFF OFF OFF OFF
Throttle Carburetor heat. Flaps. Speed. AFTER LANDING Flaps. Carburetor heat. Landing light. Strobe lights. Transponder. Pitot heat. AFTER PARKING Throttle. Parking brake. Radios & transponder. Avionics master switch. All electrical switches (Except Beacon Light). Mixture	OFF 20°MIN 55 ktsOFF OFF OFF OFF OFF OFF OFF OFF OF
Throttle Carburetor heat. Flaps. Speed. AFTER LANDING Flaps. Carburetor heat. Landing light. Strobe lights. Transponder Pitot heat. AFTER PARKING Throttle Parking brake. Radios & transponder Avionics master switch. All electrical switches (Except Beacon Light). Mixture	OFF 20°MIN 55 ktsOFF OFF OFF OFF OFF OFF OFF OFF OF

Gust lock & pitot coverINSTALL





ABNORMAL CHECKLISTS C-172 PH-DON

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

ENGINE FAILURES: ELECTRICAL FIRE IN FLIGHT Master switch...... OFF **ENGINE FAILURE DURING TAKEOFF RUN** Avionics power switch...... OFF All other switches (except ignition)...... OFF ThrottleIDLE Vents/cabin air/heatCLOSED Brakes APPLY if fire appears out and electrical power is necessarry for Flaps.....RETRACT continuance for flight Mixture...... IDLE CUT OFF Master switch......ON Ignition switch......OFF Circuit breakers......CHECK Master switch.....OFF for faulty circuit, do not reset Radio switches......OFF **ENGINE FAILURE IMMEDIATELY AFTER** Avionics power switch......ON **TAKEOFF** Radio/electrical switches.....ON Airspeed(flaps down) 60 kts one at a time, with delay after each until short circuit(flaps up) 65 kts is localized Mixture......IDLE CUT OFF Vents/cabin air/heat OPEN Fuel selector valve......OFF when it is ascertained that fire is completely extinguished Ignition switch......OFF Flaps...... AS REQUIRED **CABIN FIRE** Master switch.....OFF Master switch......OFF

VFR DAY AND NIGHT

ONLY

ENGINE FAILURE DURING FLIGHT		
Airspeed		
Carburetor heatON/WARM		
Fuel selector valveBOTH		
MixtureRICH		
Ignition switch(START if propeller is stopped) BOTH		
Primer IN AND LOCKED		
(If engine fails to start)		
Forced landingEXECUTE		
(As described in Emergency Landing Without Engine Power		
in the POH and ACHA Procedures)		

Forced landing..... EXECUTE

(As described in Emergency Landing Without Engine Power

in the POH and ACHA Procedures)

ENCINE EAU LIDE DUDING ELICUT

ENGINE FIRES:		
FIRES DURING START ON GROUND CrankingCONTINUE		
Throttle		
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		
airspeed which will provide an incombustible mixture) Forced landing		

ELECTRICAL POWER SUPPLY SYSTEM MALFUNCTIONS:

AMMETER SHOWS EXCESSIVE RATE OF **CHARGE (Full Scale Deflection)** Alternator OFF Alternator circuit breaker.....PULL Non-essential electrical equipment OFF Land......AS SOON AS PRACTICAL

Land...... AS SOON AS POSSIBLE

LOW VOLTAGE LIGHT ILLUMINATES **DURING FLIGHT (Ammeter indicates discharge)**

(Illumination of the low-voltage light may occur during low RPM conditions with an electrical load on the system such as during a low RPM taxi. Under these conditions, the light will go out at higher RPM. The master switch need not be recycled since an over-voltage condition has not occurred to deactivate the alternator system) Avionics power switch...... OFF Alternator circuit breaker......CHECK IN

Master switch	(both sides) OFF	
Master switch		
Low voltage light	CHECK OFF	
Avionics powers switch	ON	
IF LOW VOLTAGE LIGHT ILLUMINATES AGAIN:		
Alternator	OFF	
Non-essential radio and electrical equipmen	t OFF	

Land......AS SOON AS PRACTICAL

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.