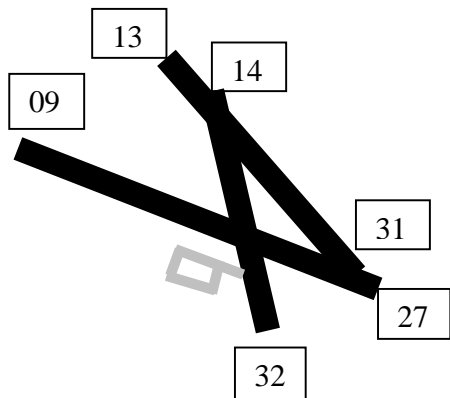


FREYCINET AIR PTY LTD

C172R CHECKLIST

<p><u>STARTING ENGINE</u> Passenger Brief.....complete Preflight Inspection.....complete Park Brake..... on Seats and Seat Belts..... adjusted Hatches and Harnesses..... secure Master..... on Circuit breakers..... in Avionics..... off Beacon..... on Fuel..... both Fuel shutoff valve..... on (push full in) Mixture..... rich Throttle..... open ¼ inch Auxiliary fuel pump..... on until stable fuel flow is indicated (about 4 seconds) then off Mixture..... idle cutoff Toe Brakes..... on Check..... “Clear Prop” Starter..... engage, as engine starts advance mixture to full rich & set 1000 RPM NOTE If engine floods, turn off the auxiliary fuel pump, set mixture idle cutoff, open throttle ½ to full, and motor (crank) engine. When engine starts, set mixture to full rich and close throttle promptly.</p> <p><u>AFTER START</u> Throttle..... set 1000 rpm Oil pressure..... green in 30 secs Ammeter..... zero or positive charge Suction..... within limits Avionics..... on Transponder..... set SBY Radios..... on ATIS..... 128.45 MHz GROUND..... 121.70 MHz TOWER..... 118.10 MHz</p>	<p><u>TAXI CHECKS</u> Brakes..... checked Instruments..... turning checks</p> <p><u>RUN-UP CHECKS</u> Park brake..... on Throttle..... set 1800 rpm Magnetos..... left, both, right, both Annunciator panel..... no illuminations Vacuum guage..... check Engine instruments & Ammeter..... check Throttle..... low idle, smooth running</p> <p><u>PRE TAKEOFF CHECKS</u> T Trims..... set Throttle friction..... firm Transponder..... set ALT M Mixture..... rich Magnetos..... both Master switch..... on P Pump (auxiliary fuel pump)..... off A Autopilot..... off F Fuel..... both Fuel shutoff valve... on(push full in) Flaps..... set 10 I Instruments DG..... aligned A/H..... erect Alt..... QNH set TC..... flag away S Switches..... as required C Controls..... full, free/correct sense H Hatches & harnesses..... secure T Take-off Safety Brief..... Complete</p>	<p><u>AFTER T/O CHECKS</u> Flaps..... retracted Power..... set as required Fuel flow..... set as required Oil temp & pressure..... green arc</p> <p><u>PRE MANOEUVRE CHECKS</u> H..... Height A..... Airframe S..... Security E..... Engine L..... Location L..... Lookout</p> <p><u>PRE LANDING CHECKS</u> B..... Brakes, check pressure and off U..... Undercarriage down M..... Mixture rich F..... Fuel both & contents checked H..... Hatches & Harnesses secure A..... autopilot off</p> <p><u>AFTER LANDING CHECKS</u> F..... Flaps, identified-retract R..... Radio, call TWR S..... Switch un-necessary off T..... Transponder set SBY</p>	<p><u>SHUTDOWN</u> Park brake..... on Throttle..... set 1000 rpm Avionics..... off Transponder..... off Mixture..... idle cutoff Magnetos..... off Master..... off Gust Lock..... in</p> <p><u>RADIO FREQUENCIES</u> HB TOWER..... 118.1 MHz HB GROUND..... 121.70 MHz HB ATIS..... 128.45 MHz HB VOR..... 112.7 MHz HB LOC(NDB)..... 362 KHz ML CENTRE..... 125.55 MHz MULTICOM..... 126.7MHz 7ZR..... 936 KHz AERO CLUB..... 120.85 MHz CBG PAL..... 120.05 MHz</p> <p>CAMBRIDGE</p> 
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Note: This is only meant as a guide. Always ensure that you consult the actual aircraft flight manual and your flight instructor prior to use.

FREYCINET AIR PTY LTD

C172R CHECKLIST

<u>EMERGENCY PROCEDURES</u>		<u>(CESSNA) DATA</u>	
<p><u>ENGINE FAILURE IN FLIGHT</u></p> <p>INITIAL ACTIONS:</p> <p>Fuel shutoff valve on(push full in) Fuelboth Fuel pump (auxiliary)on Mixture..... rich Magsboth Masteron</p> <p>WIND PADDOCK PLAN</p> <p>TROUBLE CHECKS Fuel on, contents checked Fuel pump (auxiliary)on Mixture through range, set rich Oil temps and pressure Switches check magnetos Throttle . through range set 1/3 position</p> <p>PASSENGER BRIEF</p> <p>MAYDAY CALL</p> <p>SHUTDOWN CHECKS</p> <p>Flaps..... down Fuel pump(auxiliary) off Fuel shutoff valveoff(pull full out) Mixture..... idle cut-off Mags off Master off</p>	<p><u>ENGINE FIRE IN FLIGHT</u></p> <p>Fuel pump(auxiliary) off Mixture..... idle cut-off Throttle..... closed Fuel shutoff valveoff(pull full out) Cabin Heat and Air off</p> <p>Proceed with</p> <p>SHUTDOWN CHECKS</p> <p><u>LOSS OF OIL PRESSURE / HIGH OIL TEMPERATURE</u></p> <p>Land as soon as possible and investigate cause.</p> <p>Prepare for engine failure in flight.</p> <p><u>ENGINE FIRE DURING START</u></p> <p>Starter..... crank engine</p> <p>If engine starts, set 1700rpm</p> <p>No start, continue cranking Fuel pump(auxiliary) off Mixture..... idle cut off Throttle..... open Fuel shutoff valveoff(pull full out) Abandon if fire continues</p> <p>For other emergency procedures refer to section 3 of the Pilots Operating Handbook.</p>	<p><u>AIRSPEEDS</u></p> <p>Stall with Flap (V_{S0})..... 40 KIAS Basic Stall Speed (V_{S1}) 48 KIAS Best Climb Angle (V_X) 60 KIAS Best Climb Rate (V_Y)..... 79 KIAS Cruise Climb (Normal) 90 KIAS Flap Limit Speed (V_{FE}) 85 KIAS Maneuver Speed (V_A) ... 88 - 102 KIAS Flight Planning TAS 119 KTAS Maximum Cruising (V_{NO}).... 129 KIAS</p>	<p>Never Exceed (V_{NE})..... 163 KIAS Best Glide..... 68 KIAS TOSS..... 57 KIAS Base..... 75 KIAS Final 65 KIAS Vref 60 KIAS Short field approach Final 60 KIAS Short field approach Vref..... 55 KIAS Maximum Crosswind..... 15 KIAS</p>
		<p><u>WEIGHT LIMITATIONS</u></p> <p>Max Takeoff Weight 1156kg Empty Weight: Refer flight manual KOT 756kg</p> <p><u>FUEL</u></p> <p>Type: 100 Octane Avgas (green) or 100 LL (blue) Quantity: Total Useable 200lts Typical Consumption: 38 lt per hour Endurance : 5.2 @ 38 lt per hour</p> <p><u>POWER SETTINGS</u></p> <p>Max RPM 2700 RPM</p> <p><u>ENGINE</u></p> <p>Textron Lycoming O-360-L2A 4 cylinder, horizontally opposed, direct drive, air cooled, normally aspirated Output: 180 hp rated @ 2700 RPM</p> <p><u>OIL</u></p> <p>Type: Aviation grade SAE 50 Quantity: Max 8 US quarts, Min 6 US quarts</p>	

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