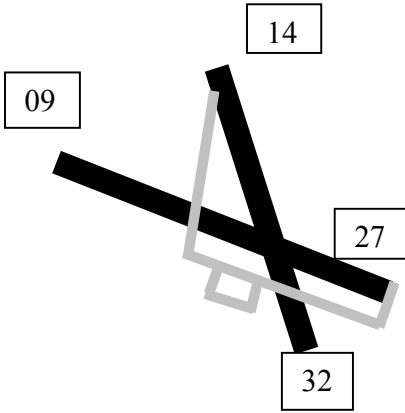


FREYCINET AIR PTY

C172P CHECKLIST

FREYCINET AIR PTY

C172P CHECKLIST

<p><u>STARTING ENGINE</u></p> <p>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 Mixture rich Throttle set 1 cm open Carburetor Heat..... off Prime as req'd (4 cold, 0 hot) Toe Brakes on Check "Clear Prop" Starter engage, set 1000 RPM</p> <p><u>AFTER START</u></p> <p>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 TOWER..... 118.10 MHz</p> <p><u>TAXI CHECKS</u></p> <p>Brakes..... checked Instruments..... turning checks</p>	<p><u>RUN-UP CHECKS</u></p> <p>Park brake on Throttle set 1700 rpm Magnetos left, both, right, both Carb Heat on then off Throttle low idle, smooth running</p> <p><u>PRE TAKEOFF CHECKS</u></p> <p>T Trims..... set Throttle friction..... firm Transponder set ALT M Mixture rich Magnetos both Master switch..... on P Primer locked F Fuel both 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 Carby heat off H Hatches & harnesses secure T Take-off Safety Brief..... Complete</p> <p><u>AFTER T/O CHECKS</u></p> <p>Flaps retracted Power set as required Oil temp & pressure green arc</p>	<p><u>PRE MANOEUVRE CHECKS</u></p> <p>H Height A Airframe S Security E Engine L Location L Lookout</p> <p><u>PRE LANDING CHECKS</u></p> <p>B Brakes, check pressure and off U Undercarriage down M Mixture rich F Fuel contents checked H Hatches & Harnesses secure</p> <p><u>AFTER LANDING CHECKS</u></p> <p>F Flaps, identified-retract R Radio, call TWR O Open cowls S Switch un-necessary off T Transponder set SBY</p> <p><u>SHUTDOWN</u></p> <p>Park brake on Throttle set 1000 rpm Avionics off Transponder off Mixture idle cut off Magnetos off Master off Gust Lock in</p>	<p><u>RADIO FREQUENCIES</u></p> <p>HB TOWER..... 118.1 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 PAR AVION 119.2 MHz</p> <p>CAMBRIDGE</p> 
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<u>EMERGENCY PROCEDURES</u>		<u>(CESSNA) DATA</u>	
<p><u>ENGINE FAILURE IN FLIGHT</u></p> <p>INITIAL ACTIONS:</p> <p>Carbi Heat..... on Fuel both Mixture..... rich Mags..... both Master..... on</p> <p>WIND PADDOCK PLAN</p> <p>TROUBLE CHECKS</p> <p>Fuel..... on, contents checked 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 off Mixture..... idle cut-off Mags off Master off</p>	<p><u>ENGINE FIRE IN FLIGHT</u></p> <p>Mixture..... idle cut-off Throttle..... closed Fuel Selector off 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 start, set 1700rpm</p> <p>No start, continue cranking Mixture..... idle cut off Throttle..... open Fuel selector..... off 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})..... 33 KIAS Basic Stall Speed (V_{S1})..... 44 KIAS Best Climb Angle (V_X)..... 61 KIAS Best Climb Rate (V_Y)..... 76 KIAS Cruise Climb (Normal)..... 80 KIAS Flap Limit Speed (V_{FE})..... 85 KIAS Maneuver Speed (V_A) 82 - 99 KIAS Flight Planning TAS 100 KTAS Maximum Cruising (V_{NO}) 127 KIAS</p>	<p>Never Exceed (V_{NE})..... 158 KIAS Best Glide 65 KIAS TOSS..... 55 KIAS Base..... 70 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 1089 kg Empty Weight: Refer flight manual</p> <p><u>FUEL</u></p> <p>Type: 100 Octane Avgas (green) or 100 LL (blue) Quantity: Total 238 Useable 234 Typical Consumption: 32 lt per hour Endurance : 7.3 @ 32 lt per hour</p> <p><u>POWER SETTINGS</u></p> <p>Max RPM 2700 RPM</p> <p><u>ENGINE</u></p> <p>Avco Lycoming O-320 4 cylinder, horizontally opposed, direct drive, air cooled, normally aspirated Output: 160 hp rated @ 2700 RPM</p> <p><u>OIL</u></p> <p>Type: Aviation grade SAE 50 Quantity: Max 7 US quarts, Min 5 US quarts</p>	

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