

# Robin R2120U Checklist    Page 1/2

<b>Preflight &amp; Preparation</b>		
<b>Cabin</b> <ul style="list-style-type: none"> <li>- canopy secure, clean</li> <li>- controls unlocked, belts</li> <li>- flight manual tech log, airworthiness cert, radio licence</li> <li>- compass &amp; card</li> <li>- emergency equipment, ELT</li> <li>- controls &amp; trim free</li> <li>- mags. Off, throttle closed</li> <li>- fuel valve on</li> <li>- master on, walk around, check lights &amp; stall warning</li> <li>- master off</li> </ul>	<b>Nose</b> <ul style="list-style-type: none"> <li>- cowl flap, check oil &gt;4qts</li> <li>- cowl secure</li> <li>- exhaust secure</li> <li>- windscreens clean</li> <li>- nose wheel undamaged, tyre tread, oleo 50-80mm, spats secure</li> <li>- air intakes clear</li> <li>- prop &amp; spinner clean</li> <li>- alternator belt tight</li> </ul>	<b>Passenger Brief</b> <ul style="list-style-type: none"> <li>- Emergency equipment location &amp; use : ELT, extinguisher, first aid, axe</li> <li>- Outside : keep behind wings, clear of prop</li> <li>- Cabin entry &amp; exit</li> <li>- Canopy emergency release</li> <li>- Headset, use of radio push to talk</li> <li>- Stowage pockets, airsick bags</li> <li>- Seats, belts (always secure)</li> <li>- Keep clear of controls - stick, rudder</li> <li>- Lifejacket use if equipped</li> <li>- Assist with traffic lookout</li> <li>- Notify pilot of dizziness, nausea, toilet, etc.</li> </ul>
<b>Empennage</b> <ul style="list-style-type: none"> <li>- fuel quantity, endurance</li> <li>- fuel cap locked</li> <li>- fuel drain - clear, no water, no dirt</li> <li>- left static vent clear</li> <li>- horizontal stabiliser free movement, surface clean</li> <li>- rudder movement, surface clean</li> <li>- tail section screws &amp; cables</li> <li>- external power door closed</li> </ul>	<b>Left Wing</b> <ul style="list-style-type: none"> <li>- pitot tube clear</li> <li>- main gear undamaged, tyre tread, brakes, oleo extension, spats secure</li> <li>- surfaces clean</li> <li>- free of damage</li> <li>- remove tie-downs, chocks</li> <li>- aileron free movement</li> <li>- flap secure</li> </ul>	
<b>Right Wing</b> <ul style="list-style-type: none"> <li>- flap secure</li> <li>- aileron free movement</li> <li>- surfaces clean</li> <li>- free of damage</li> <li>- remove tie-downs, chocks</li> <li>- main gear undamaged, tyre tread, brakes, oleo extension, spats secure</li> </ul>		

To be used in conjunction with Pilots Operating Handbook

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<b>Takeoff</b>	<b>Precision Landing</b>	<b>Emergencies</b>
Holding point checks: TMPFFIHCTR Line-up checks: RTLWDR Full throttle, keep straight Rotate 55 kts Best angle climb 65 kts Clean-up - flaps, fuel pump Best rate climb 75 kts	Downwind checks BUMFW Carb. Heat On Throttle 1800rpm Check white arc Flaps 10, lookout, turn base Throttle as required Speed 75 kts Turn Final Full flaps 35°, 65 kts Short final : carb heat off Nose up to 60 kts	
<b>Max Performance Takeoff</b>	<b>Speeds</b>	
Holding point checks TMPFFIHCTR Note +ve acceleration point Note rotate point Line-up checks RTLWDR Hold brakes Throttle 2000rpm Cycle Carb heat Full throttle, min 2300rpm Release brakes, keep straight Begin Rotate 55kts Best angle climb 60 kts Clean-up - flaps, fuel pump Best rate climb 75 kts	Stall, full flap ( $V_{s0}$ ) 48kts Stall, clean ( $V_{s1}$ ) 57kts Best angle climb 65kts Best rate climb 75kts Best glide dist. 75kts Max flap ( $V_{fe}$ ) 97kts Max Manoeuv. ( $V_a$ ) 129kts Never Exceed ( $V_{ne}$ ) 155kts  Max crosswind 18kts	
<b>Cruise, Climb</b>	<b>Transponder Codes</b>	
Cruise 2400-2450rpm Approx 95kts	xxxx - Aircraft discreet code yyyy - Flight plan assigned code 1200 - Local Circuit 1400 - Local Area	
<b>Landing</b>	<b>Local Frequencies</b>	
Downwind checks BUMFW Carb. Heat On Throttle 1800rpm Check white arc Flaps 10, lookout, turn base Throttle as required Speed 75 kts Turn Final Full flaps 35 Speed 65 kts Short final : carb heat off	North Shore      118.0 Emergency      121.5 Kaipara/Parakai      119.1 Gulf/City      120.4 Whenuapai ATIS      128.3 Whenuapai TWR      134.5 Auckland ATIS      127.8 Auckland TWR      118.7	

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