N2770V C-177RG – Normal Procedures Checklist – ALL SPEEDS MPH IAS BEFORE STARTING ENGINE TAKE-OFF May Porformance Det

BEFORE STARTING ENGINE	TAKE-OFF	Max Performance Data
Preflight inspection	Mixture	maximum lean per placard (above 3000') 65, 60
Avionics switch, A/P, & elec equip off Circuit breakers check in Cowl flaps open Fuel quantity & fuel selector check, both	Climb Power	up, light on 100 – 120, 95 . 25" & 2500 RPM, max & 2700 lean 13 gal/hr, per placard
STARTING ENGINE	Flaps	up
Mixture idle cut-off Propeller high RPM Throttle open ¼ inch MASTER SWITCH on Lights as required Auxiliary fuel pump on	CRUISE Lights Power Mixture	open as required, full open as required 15-25", 2100 – 2500 (<75%) lean (100°F rich of peak)
Mixture 6 gal/hr, then idle cut-off		closed uel selector check, as required
NOTE: Do not prime if engine is warm! Propeller area clear	DESCENT	aoi oblocioi onook, ao roquirou
Ignition switch start Mixture rich when engine fires Oil pressure check Auxiliary fuel pump off Mixture lean (out 1 inch) Avionics switch & electrical equipment on Circuit breakers check in Flaps up	Mixture	ce 1" per minute to 15" – 20" hg enrichen as required closed ts checked & set headings, markers set as required
Comms, navs, headings, markers set	•	0° (as required below 150 mph)
BEFORE TAKE-OFF Denotes first-flight item Brakes	C Cowl flaps . G Fuel quantity U Landing gea M Mixture P Propeller S Seats, belts Airspeed AFTER CLEARIN Pitot heat Lights Transponder Stabilator and ru Mixture Flaps	off as required stby udder trim take-off lean (out 1 inch) up
RUNWAY ITEMS	_	as required
Windows	Engine Mixture Ignition and MA Fuel selector va	A/P, & elec equip off 1000 RPM, mag ground check idle cut-off STER SWITCH off alve off I pitot cover installed