

NORMAL PROCEDURES		CESSNA 172/152						
Cockpit Check	Run-up	Lean mixture						
Documents VALID	Taxi to run-up area	Set heading indicator						
Control locks REMOVED	Park brake SET/Brakes HELD	Check engine instruments						
Magnetos OFF	Fuel valve BOTH (172 only)	Enroute frequency						
Master switch ON	Mixture RICH	Provide position reports						
Fuel quantity OK	Engine gauges GREEN	Approach						
Flaps to 20°	Engine to 1700 RPM	ATIS:						
Lights CHECK	Engine gauges STILL GREEN							
Master switch OFF	Alternator load check:							
Trim full travel CHECK	-- all lights and flaps							
Cables & linkages OK	Vacuum 5" Hg	Tower frequency						
Fire extinguisher CHARGED	Magneto check:	Approach clearance:						
First aid kit PRESENT	-- max 125↓ and max 50Δ							
Fuel stick CORRECT	Carb air HOT							
Pre-start	Mixture control CHECK	Downwind						
Cowl plugs OUT?	Throttle to IDLE	Primer LOCKED						
Passenger briefing:	Carb air COLD	Landing light AS REQUIRED						
-- no smoking	Engine to 1000 RPM	Master switch ON						
-- hands & feet off controls	Mixture LEAN 1"	Magnetos on BOTH						
-- seatbelts, doors & windows	Ready to Taxi	Fuel quantity OK						
-- fire extinguisher	Ground frequency	Engine gauges GREEN						
-- first aid kit & ELT	Obtain taxi clearance	Carb air HOT						
Hobbs time:	Park brake RELEASED (172)	Mixture RICH						
	Rolling instrument check	Fuel valve BOTH/ON						
Seat ADJUSTED & LOCKED	Pre-takeoff	Brake pressure OK						
Doors & windows SECURE	Seatbelts, doors & windows	Seatbelts, doors & windows						
Seatbelts FASTENED	Primer LOCKED	Obtain landing clearance						
Controls FREE & CORRECT	Master switch ON	Post-landing						
Brake pressure OK	Magnetos on BOTH	Clear runway						
Fuel valve LEFT/ON	Fuel quantity OK	Carb air COLD						
Circuit breakers IN	Engine gauges GREEN	Flaps RETRACTED						
Altimeter SET (field elevation)	Carb air COLD	Mixture LEAN 1"						
Engine Start	Throttle friction OK	Unnecessary lights OFF						
Carb air COLD	Mixture RICH	Transponder STBY 1200						
Mixture RICH	Fuel valve BOTH/ON	Arrival time:						
Prime engine	Flaps set AS REQUIRED							
Throttle OPEN ¼" to ½"	Trim for TAKEOFF							
Area clear CHECK & CALL	Attitude & heading gyros SET							
Brakes APPLIED	Controls FREE & CORRECT	Ground frequency						
Master switch ON	Lights AS REQUIRED	Obtain taxi clearance						
Engage starter	Sun visors UP	Flight plan CLOSED						
Engine to 1000 RPM	Holding Short	Shutdown						
Engine gauges GREEN	Tower frequency	Radio CHECK 121.5						
Mixture LEAN 1"	Transponder on ALT	Master switch OFF						
Avionics ON	Approach area CLEAR	Engine to 1000 RPM						
Flaps RETRACTED	Obtain takeoff clearance	Live magneto check						
Instruments CHECK	Flight plan OPENED	Mixture to CUTOFF						
Transponder STBY 1200	Departure time:	Magnetos OFF, Key OUT						
Fuel valve RIGHT (172 only)		All switches OFF						
ATIS:	Enroute	Hobbs time:						
	Advise ATC enroute							
	Throttle & trim for cruise	Control locks AS REQUIRED						
Brakes TEST	Check for carb ice	Cowl plugs IN (winter)						
		Flight plan CLOSED?						
V SPEEDS – KIAS (172/152)								
V_{SO}	V_S	V_X	V_{GLIDE}	V_Y	V_{FE}	V_A	V_{NO}	V_{NE}
41/35	47/40	59/55	65/60	73/67	85	99/104	128/111	160/149