


Cessna 182 G-1000		PREFLIGHT (CONT.)	
		RIGHT WING	
		Flap	CHECK
PREFLIGHT		Aileron	CHECK
		Landing / Taxi Lights	CHECK
CABIN		Wing Tiedown	REMOVE
		Fuel Vent	CHECK
Pitot tube cover	REMOVE	Main Wheel Tire	CHECK
POH	ACCESSIBLE	Fuel Drain sump	DRAIN
G1000 reference guide	ACCESSIBLE	Fuel Quantity	CHECK VISUALLY
A/C weight and balance	CHECKED	Fuel Filler Cap	Secure - Vent Clear
Parking brake	SET	NOSE	
Control Lock	REMOVE	Static Source Opening (right side)	CHECK
Magneto switch	OFF	Fuel Strainer Quick Drain valve	DRAIN
Avionics switch (bus 1&2)	OFF	Engine Cooling Air Inlets	CLEAR
Master switch (Alt and Batt)	ON	Prop and Spinner	CHECK
Primary Flight Display (PFD)	VERIFY ON	Air Filter	CHECK
Fuel Qty (R & L)	CHECK	Nosewheel Strut and Tire	CHECK
Low Fuel annunciators L & R	NOT on PFD	Engine Oil Dipstick/Filler cap	CHECK - SECURE
Oil Pressure annunciator	SHOWS ON PFD	*** do not operate with less than 4 qts	
Low Vacuum Annunciator	SHOWS ON PFD	Static Source Opening (left side)	CHECK
Avionics switch (bus 1)	ON	LEFT WING	
Forward avionics fan	VERIFY ON	Fuel Quantity	CHECK VISUALLY
Avionics switch (Bus 1)	OFF	Fuel Filler Cap	Secure - Vent Clear
Avionics switch (Bus 2)	ON	Fuel tank sump drain valve	DRAIN
Aft avionics fan	VERIFY ON	Main Wheel Tire	CHECK
Avionics Switch (Bus 2)	OFF	Fuel Tank Vent Opening	CHECK
Pitot Heat switch	ON - verify	Stall Warning Vane	CHECK
Pitot Heat switch	OFF	Wing Tiedown	DISCONNECT
Stall Warning System	CHECK	Landing/Taxi Light(s)	Check
Low Volts Annunciator	SHOWS ON PFD	Aileron	CHECK
Master switch (Alt and Batt)	OFF	Flap	CHECK
Elevator trim control	TAKEOFF	BEFORE STARTING ENGINE	
Fuel Selector valve	BOTH	Preflight Inspection	COMPLETE
Alternate Static Air Valve	OFF	Passenger Briefing	COMPLETE
Fire Extinguisher	CHECK - GREEN	Seats and Seatbelts	ADJUST & LOCK
EMPENNAGE		Brakes	TEST & SET
		Circuit Breakers	CHECK IN
Baggage Door	CHECK	Electrical Equipment	OFF
Rudder Gust Lock	REMOVE	Avionics Switch (Bus 1 & 2)	OFF
Tail Tiedown	DISCONNECT	Cowl Flaps	OPEN
Control surfaces	CHECK	Fuel Selector valve	BOTH
Elevator Trim Tab	CHECK		
Antennas	CHECK		

STARTING ENGINE		BEFORE TAKEOFF (cont)	
Throttle Control	Open 1/4 inch	Flight Instruments (PFD)	NO RED X's
Prop Control	HIGH RPM	Altimeters	
Mixture Control	IDLE CUTOFF	PFD (Baro)	SET
Standby Battery Switch	TEST ON 10 SEC	Standby Altimeter	SET
Standby Battery Switch	ARM - PFD ON	Alt Sel	SET
Engine Indicating System	CHECK Parameters	Standby Instruments	CHECK
Bus E volts	CHECK (24V Min)	Fuel Quantity	CHECK
M Bus Volts	CHECK (1.5V MAX)	Mixture Control	RICH
Batt S Amps	CHECK (Discharge)	Fuel Selector	BOTH
Standby Battery Annunciator	SHOWS ON PFD	Autopilot	ENGAGE
Prop area	"Clear"	Flight Controls	CHECK
Master Switch (Alt & Bat)	ON	A/P Trim Disc button	PRESS
Beacon switch	ON	Flight Director	OFF
--- COLD START ---		Elevator trim control	TAKEOFF
Fuel Pump	ON	Throttle	1800 RPM
Mixture Control	FULL	Magnetos	CHECK
get fuel flow then	IDLE CUTOFF	Propellor Control	CYCLE
Fuel Pump	OFF	Vacuum indicator	CHECK
Magneto Switch	START	Engine Instruments	CHECK
Mixture Control after start	RICH	Ammeters & Voltmeters	CHECK
--- HOT START ---		Annunciators	CHECK
Magneto Switch	START	Throttle	CHECK IDLE
Mixture Control after start	RICH	Throttle	1000 RPM or Less
Oil Pressure	CHECK	Throttle friction lock	ADJUST
Oil Pressure (30 - 60 seconds)	GREEN BAND	Com/Nav Frequencies	SET
AMPS (M batt & Batt S)	CHECK (Positive)	FMS/GPS flight plan	AS DESIRED
Low Volts Annunciator	NOT on PFD	Transponder	SET
Nav Light Switch	ON - as required	CDI softkey	SELECT NAV source
Avionics Switch (Bus 1 & 2)	ON	Cabin Power 12v Switch	OFF
FREQUENCIES		Flaps	UP - 10 deg. pref.
HOOKS UNICOM	122.95	Cowl Flaps	OPEN
HOOKS ATIS	128.375	Windows	CLOSED/LOCKED
HOOKS GROUND	121.8	Strobes	ON
HOOKS TOWER	118.4	Brakes	RELEASE
APPROACH	123.80 / 124.35	TAKEOFF	
FLIGHT SERVICE	122.4	--- NORMAL ---	
BEFORE TAKEOFF		Flaps	UP - 10 deg. pref.
Parking Brake	SET	Throttle Control	FULL
Pilot and Passenger seat	MOST UPRIGHT	Propellor Control	2400 RPM
Seats & seatbelts	SECURE	Mixture Control	RICH
Cabin Doors	CLOSED.LOCKED	Elevator (55 kias)	LIFT Nosewheel
Flight Controls	FREE & CORRECT	Climb Speed	70-80 KIAS
		Flaps	RETRACT AT ALT.

TAKEOFF (CONT.)		BEFORE LANDING	
--- SHORT FIELD---		Seat backs	MOST UPRIGHT
Flaps	20 degrees	Seats & seatbelts	SECURED/LOCKED
Brakes	APPLY	Fuel Selector	BOTH
Throttle Control	FULL	Mixture control	RICH
Propellor Control	2400 RPM	Propellor control	HIGH RPM
Mixture Control	RICH	Landing & Taxi Lights	ON
Brake	RELEASE	Autopilot	OFF
Elevator	SLIGHT TAIL LOW	Cabin Pwr 12V switch	OFF
Climb (obst. Clear)	58 KIAS		
Flaps	RETRACT SLOWLY		
ENROUTE CLIMB		LANDING	
--- NORMAL ---		--- NORMAL ---	
Airspeed	85- 95 KIAS	Airspeed (flaps UP)	70-80 KIAS
Throttle Control	23 in hg or FULL	Flaps	AS DESIRED
Propellor Control	2400 RPM	Airspeed (flaps FULL)	60-70 KIAS
Mixture Control	15 GPH or RICH	Elevator & Rudder trim	ADJUST
Fuel Selector Valve	BOTH	Touchdown	Main Wheels first
Cowl Flaps	OPEN	Landing Roll	Lower nose gently
--- MAX PERFORMANCE ---		Braking	Minimum required
Airspeed	80 KIAS	--- SHORT FIELD ---	
Throttle Control	FULL	Airspeed (flaps UP)	70-80 KIAS
Propellor Control	2400 RPM	Flaps	FULL
Mixture Control	FULL RICH	Airspeed (flaps FULL)	60 KIAS until flare
Fuel Selector Valve	BOTH	Elevator & Rudder trim	ADJUST
Cowl Flaps	OPEN	Power (after clear obst.)	IDLE
		Touchdown	Main Wheels first
		Brakes	APPLY HEAVILY
		Flaps	UP
CRUISE		--- BALKED LANDING ---	
Power	15-23 IN hg & 2000 - 2400 RPM	Throttle control	FULL & 2400 RPM
Elev. & Rudder trim	ADJUST	Flaps	RETRACT to 20 deg
Mixture	AS NEEDED	Climb speed	55 KIAS
FMS/GPS	REVIEW/BRIEF OBS/SUSP	Flaps (after clear)	RETRACT SLOWLY
		Cowl Flaps	OPEN
DESCENT		AFTER LANDING (off active runway)	
Power	AS DESIRED	Flaps	UP
Mixture	AS NEEDED	Cowl Flaps	OPEN
Cowl Flaps	CLOSED	Strobe light Switch	OFF
Altimeters:			
PFD (Baro)	SET		
Standby Altimeter	SET		
G1000 AltSel	SET		
CDI Spottkey	SELECT NAV source		
FMS/GPS	REVIEW/BRIEF OBS/SUSP		
Fuel selector	BOTH		
Flaps	AS DESIRED		

SECURE AIRCRAFT		INFLIGHT RESTART	
Parking brake	SET	Airspeed	76 KIAS
Throttle control	IDLE	SELECT FIELD	FLY TO IT
Electrical equipment	OFF	Fuel Shutoff	ON
Avionics Switch (Bus 1&2)	OFF	Fuel Selector	BOTH
Mixture Control	IDLE CUTOFF	Fuel Pump	ON
Magnetos	OFF	Mixture	RICH
Master Switch (Alt & Bat)	OFF	Magentos (prop windmilling)	BOTH
Stby Batt switch	OFF	Magentos (Prop Stopped)	START
Control Lock	INSTALL	Fuel Pump	OFF
Fuel Selector	LEFT OR RIGHT		
V SPEEDS		FORCED LANDING	
Vso	41 KIAS	Seat Backs	MOST UPRIGHT
Vs	51 KIAS	Seatbelts	SECURE
V _R	59	Airspeed (Flaps Up)	75 KIAS
V _x	65	Airspeed (Flaps 10°)	70 KIAS
V _y	80	Mixture	IDLE CUTOFF
V _{fe}	120 KIAS	Fuel Shutoff	OFF
V _a	91-110	Magentos	OFF
V _{no}	140 KIAS	Flaps	AS REQUIRED (FULL REC)
V _{ne}	175 KIAS	Stby Batt	OFF
		Master (Alt & Batt)	OFF
ENGINE FAILURES		Doors	UNLATCH
---TAKE OFF RUN---		Touchdown	SLIGHTLY TAIL LOW
Throttle Control	IDLE	Brakes	APPLY HEAVILY
Brakes	APPLY		
Flaps	RETRACT	NOTES:	
Mixture	IDLE CUTOFF		
Magentos	OFF		
Stby Batt	OFF		
Master (Alt and Batt)	OFF		
---Climbout---			
Airspeed (Flaps Up)	75 KIAS		
Airspeed (Flap Down)	70 KIAS		
Mixture	IDLE CUTOFF		
Fuel Shutoff	OFF		
Magentos	OFF		
Flaps	AS REQUIRED		
Stby Batt	OFF		
Master (Alt and Batt)	OFF		
Cabin Door	UNLATCH		
Land	STRAIGHT AHEAD		