

**NORMAL CHECKLIST CESSNA  
182**

**AIRCRAFT ACCEPTANCE**

Maintenance Status.....Check  
Emergency & Safety Equipment.....Check  
Tachometer.....Record  
Hobbs meter.....Record  
Documents.....Check  
Checklist.....Complete

**PREFLIGHT INSPECTIONS**

**Cabin**

Aircraft acceptance check.....Complete  
Control lock.....Remove  
Avionics Power Switch.....Off  
Ignition Switch.....Off  
Master Switch.....On  
Fuel Gauges.....Check  
Lights.....Check  
Alternate Static Source.....Off  
Wing flaps.....Down  
Master Switch.....Off  
Fuel Selector Valve.....Both  
Baggage Door.....Check

**Empennage**

Elevator & Rudder.....Check  
Tie Down.....Remove

**Right Wing**

Fuel drain.....Check  
Strut, tire & brake.....Check  
Aileron & wing flaps.....Check

**Right wing leading edge**

Tie down & chock.....Remove  
Leading edge & wing tip.....Check  
Fuel level.....Check

**Nose**

Windshield.....Check  
Static source.....Check  
Propeller & Spinner.....Check  
Landing Light.....Check  
Air Filter.....Clear  
Nose wheel & strut.....Check  
Chock.....Remove  
Engine oil.....Check  
Fuel strainer.....Check  
Static source.....Check

**Left wing leading edge**

Fuel level.....Check  
Pitot tube.....Check  
Tie down & chock.....Remove  
Fuel vent.....Open  
Stall warning Vane.....Check  
Leading edge & wing tip.....Check

**Left wing**

Strut, tire & brake.....Check  
Wing flap & aileron.....Check  
Fuel drain.....Check  
Preflight inspection checklist.....Complete

**STARTING ENGINE**

Aircraft acceptance check.....Complete  
Preflight inspection checklist.....Complete  
Cabin door.....Close  
Seats, belts & harnesses...Adjust & secure  
Brakes.....Set  
Avionics Power Switch.....Off  
Circuit breakers.....All in  
Cowl Flaps.....Open  
Fuel Selector valve.....Both  
Mixture.....Rich  
Beacon.....On  
Master switch.....On  
Auxiliary Fuel pump.....On  
Throttle.....Advance to obtain 8-10 gal/hr  
Auxiliary Fuel pump.....Off  
Propeller.....High Rpm  
Throttle.....Open 1/8 inch  
Propeller area.....Clear  
Start switch.....Start  
Throttle (800-1000 rpm).....Set  
Oil pressure.....Checked  
Throttle friction lock.....Adjusted  
Wing flaps.....Up  
Radios.....Set & checked  
Checklist.....Complete

**BEFORE TAXI**

Taxi light.....On  
Taxi Area.....Clear  
Brakes.....Release  
Checklist.....Complete

**TAXI CHECK**

Brakes & Steering.....Check  
Instruments.....Check  
Checklist.....Completed

**BEFORE TAKEOFF**

Brakes.....Set  
Taxi light.....Off  
Doors.....Closed & Latched  
Flight Controls.....Free & correct  
Fuel Selector Valve.....On  
Elevator Trim.....Takeoff  
Mixture.....Rich  
Throttle.....1700 RPM  
Suction Gauge.....Check  
Engine Instruments & ammeter.....Check  
Magnetos.....Check  
Propeller.....Chek  
Carb Heat.....On  
Idle.....Check  
Carb heat.....Off  
Throttle (800 – 1000 rpm).....Set  
Wing Flaps.....0 -20\* (20\* STO)  
Flight Instruments.....Check & set  
Departure Briefing.....Complete  
Lights.....On  
Brakes.....Release  
Checklist.....Complete

**LINE UP & take off**

Mixture.....Rich  
Carb Heat.....Off  
Landing Light.....On  
Heading Indicator/Compass.....Check  
T/O Time.....Note  
Checklist.....Complete  
\*Lift nose wheel.....50 KIAS  
\*Climb normal.....70 KIAS Fdo, 80 KIAS Fup  
\*Climb sfto (flaps 20\*).....57 KIAS

**CLIMB**

Wing Flaps.....Up (after 70 KIAS)  
Power.....25 inHg & 2500 RPM  
Engine Instruments.....Check  
Landing Light.....Off  
Airspeed.....85-95 KIAS  
Cowl Flaps.....Full Open  
Checklist.....Complete  
\*Max performance climb.....78 KIAS

**CRUISE**

Power.....15 – 23 Hg, 2100 – 2400 RPM  
Mixture.....Lean  
Cowl Flaps.....Closed  
Heading Indicator/Compass.....Check  
Checklist.....Complete

**POWER SETTINGS**

	75% POWER	65% POWER	55% POWER
Alt ft	RPM/mp-TAS	RPM/mp-TAS	RPM/mp-TAS
4000	24 / 22-139	22 / 22-131	21 / 20-121
6000	24 / 22-143	22 / 21-133	21 / 19-121
8000	24 / 21-144	22 / 20-135	21 / 19-125
10,000	24 / 20-143	22 / 20-137	21 / 19-128
12,000	24 / 18-140	22 / 18-129	21 / 16-114
Standard Conditions			Zero Wind

**BEFORE LANDING**

Seats, Belts & Harnesses...Adjust & Secure  
Fuel Selector Valve.....On  
Mixture.....Rich  
Carb Heat.....On  
Propeller.....High Rpm  
Landing Light.....On  
Approach speed.....65-55 KIAS  
Wing Flaps.....As required  
Checklist.....Complete

**GO AROUND**

Throttle.....Full power  
Carb Heat.....Off  
Wing Flaps.....Retract prior Position  
Airspeed.....55 KIAS  
Flaps.....Retract  
Checklist.....Complete

**AFTER LANDING**

Landing Light.....Off  
Flaps.....Up  
Carb Heat.....Off  
Cowl Flaps.....Open  
Throttle (800-1000 RPM).....Set  
Landing Time.....Note  
Checklist.....Complete

**PARKING**

Brakes.....Set  
Radios, Electrical & Lights.....Off  
Avionics Switch.....Off  
Mixture.....Cut off  
Ignition Switch (After Prop Stop).....Off  
Master Switch.....Off  
Brakes.....Release  
Control Lock.....Install  
Tachometer & Hobbs Meter.....Record  
Chocks & Pitot Cover.....Set  
Checklist.....Complete

**EMERGENCY CHECKLIST  
CESSNA 182  
(\* memory items)**

**ENGINE FAILURE DURING T/O**

\*Throttle..... Idle  
\*Brakes..... As require  
\*Wing Flaps..... Up  
Mixture..... Cut off  
Ignition..... Off  
Master Switch..... Off  
Checklist..... Complete

**ENGINE FAILURE AFTER T/O**

\*Airspeed..... 70 KIAS  
Mixture..... Cut off  
Fuel Selector Valve..... Off  
Ignition Switch..... Off  
Wing Flaps..... As required  
Master Switch..... Off  
Checklist..... Complete

**ENGINE FAILURE IN FLIGHT**

\*Airspeed..... 70 KIAS  
\*Mixture..... Rich  
\*Fuel Selector Valve..... Both  
\*Carb Heat..... On  
\*Ignition Switch..... Both  
\*Primer..... In/Locked  
\*Ignition (If propeller is stopped)..... Start  
\*Checklist..... Complete

**LANDING W/O POWER**

Airspeed (Flaps UP)..... 70 KIAS  
Airspeed (Flaps DOWN)..... 65 KIAS  
Fuel Selector Valve..... Off  
Wing Flaps..... As required  
Mixture..... Cut Off  
Ignition Switch..... Off  
Master Switch..... Off  
Doors (prior to touchdown)..... Unlatch  
Touchdown..... Slightly tail low  
Brakes..... As required  
Checklist..... Complete

**PRECAUTIONARY LANDING**

Airspeed..... 65 KIAS  
Flaps..... Down 20°  
Landing Area..... Select  
Avionics Power Switch & Electrical..... Off  
Wing Flaps (on final approach)..... Down 40°  
Airspeed..... 65 KIAS  
Master Switch..... Off  
Doors (prior to touchdown)..... Unlatch  
Touchdown..... Slightly tail low  
Ignition switch..... Off  
Brakes..... As required  
Checklist..... Complete

**FIRE DURING ENGINE START**

\*Ignition Switch..... Continue Cranking  
  
If Engine Start:  
Throttle (Couple of minutes)..... 1700 Rpm  
Engine..... Shutdown

**If Engine Does not Start:**

\*Ignition..... Continue Cranking  
\*Throttle..... Full  
\*Mixture..... Cut Off  
Fire Extinguisher..... Obtain  
Master Switch..... Off  
Ignition Switch..... Off  
Fuel Selector Valve..... Off  
Fire..... Extinguish  
Checklist..... Complete

**ENGINE FIRE IN FLIGHT**

\*Mixture..... Cut Off  
\*Fuel Selector Valve..... Off  
\*Cabin Heat & Air..... Closed  
\*Wing Vents..... Open  
\*Airspeed..... 100 KIAS

See Landing W/O Power Checklist

**ELECTRICAL FIRE IN FLIGHT**

\*Master Switch..... Off  
\*Avionics Switch..... Off  
\*All Other Switches..... Off  
\*Vents/Cabin Air/Heat..... Closed  
\*Fire Extinguisher..... Use  
\*Cabin..... Ventilate

If Fire is Out & Electrical is Needed:  
Master Switch..... On  
Circuit Breakers..... Checked  
Radios & Electrical (One at a time)..... On  
Vents/Cabin Air/Heat..... Open  
Checklist..... Complete

**CABIN FIRE IN FLIGHT**

\*Master Switch..... Off  
\*Vents/Cabin Air/Heat..... Closed  
\*Fire Extinguisher..... Use  
\*Cabin..... Ventilate  
\*Land..... ASAP  
\*Checklist..... Complete

**WING FIRE IN FLIGHT**

\*Navigation Light..... Off  
\*Strobe Light (if installed)..... Off  
\*Pitot Heat (if installed)..... Off  
\*Side Slip (To keep flames away)..... Execute  
\*Land (With Flaps Up)..... ASAP  
\*Checklist..... Complete

**DITCHING**

Radio & Transponder..... Emergency  
Heavy Objects..... Secure  
Approach:  
High Wings, Heavy Seas..... Into Wind  
Light Wings, Heavy Swells..... Parallel to Swells  
Wing Flaps..... Down 20° - 40°  
Airspeed (300 ft/min descent)..... 60 KIAS  
Doors..... Unlatch  
Touchdown (300 ft/min descent)..... Level Attitude  
Face..... Cushion  
Airplane..... Evacuate  
Life Vest & Raft..... Inflate  
Checklist..... Complete

**ICING**

Pitot Heat (if installed)..... On  
Altitude..... Adjust  
Cabin Heat..... On  
Throttle..... Increase  
Carb Heat..... As required  
Land..... ASAP  
Scrape Windshield..... As required  
Forward Slip (for visibility)..... As required  
Wing Flaps..... Up  
Airspeed (depending on ice)..... 80-90 KIAS  
Landing Attitude..... Level  
Checklist..... Complete

**FLAT MAIN TIRE**

Wing Flaps..... As required  
Approach..... Normal  
Touchdown..... Good tire First  
Checklist..... Complete

**OVER – VOLTAGE LIGHT ON**

Avionics Switch..... Off  
Master Switch (Alt & Batt)..... Off  
Master Switch..... On  
If Over – Voltage light illuminate again:  
Flight..... Terminate  
Checklist..... Complete

**AMMETER SHOWS DISCHARGE**

Alternator..... Off  
Nonessential Electrical Equipment..... Off  
Flight..... Terminate  
Checklist..... Complete

**AIRSPEEDS FOR SAFE OPERATION**

**Takeoff – Flaps Up**

Rotation ..... 55 KIAS  
Short Field ..... 57 KIAS

**Enroute Climb – Flaps Up**

Normal Climbout ..... 85-95 KIAS  
Best Rate (VY) ..... 75 KIAS  
Best Angle (VX) ..... 60 KIAS

**Landing Approach**

Normal – Flaps Up ..... 75 KIAS  
Normal – Flaps 40° ..... 65 KIAS  
Short Field – Flaps 40° ..... 60 KIAS

**Balked Landing**

Max Pwr – Flaps 20° ..... 55 KIAS

**Maximum Maneuvering Speeds**

2950 lbs. .... 111 KIAS  
2450 lbs. .... 100 KIAS  
1950 lbs. .... 89 KIAS

**Best Glide**

Flaps UP ..... 70 KIAS  
Flaps DOWN ..... 65 KIAS

**Max Xwind (TO / LDG) .... 20 / 15 KIAS**

Aeropuerto	ICAO	ID	GND	TWR	APP	VOR	NDB	ALT
Acarigua	SVAC	AGV	121.90	118.85		*113.4	225	751'
<b>Barcelona</b>	SVBC	BNA	121.90	118.70	121.10	*115.9	336	30'
Barinas	SVBI	BNS		118.00		*117.5	220	670'
<b>Barquisimeto</b>	SVBM	BRM	121.90	123.50	119.40	*112.2	363	2040'
<b>Base Ltador</b>	SVBL	BAL	121.70	134.10	119.30	*113.9		1450'
<b>Cabo Codera</b>		CBC				113.5		200'
Caicara Oco	SVCD	CDO				*112.3	341	146'
<b>Calabozo</b>	SVCL	CZO	121.90	118.45		*116.3	215	330'
Canaima	SVCN	CMA		118.70		*117.5		1500'
<b>Caracas-OMZ</b>	SVCS	TUY	121.70	118.0	119.20	*115.2		2200'
Carora	SVCO	COR				112.7	358	1450'
Carúpano	SVCP	CUP		122.40			270	33'
Ciudad Bolívar	SVCB	CBL	121.90	122.20		*115.1	278	197'
Coro	SVCR	CRO	121.90	122.20		*117.3		50'
<b>Cumaná</b>	SVCU	CUM	121.90	118.90		*113.3		26'
Divina pastora	SVDP	LDP				*117.7		2582'
<b>El Vigía</b>	SVVG	EVG		118.75			393	328'
Elorza	SVEZ	EZA					240	295'
Guanare	SVGU	GRE	121.90	118.40			318	606'
Guasdalupe	SVGD	GTO					250	426'
Guayana-Piar	SVPR	GNA	121.90	118.00		*114.7	317	125'
Guiría	SVGI	GUI					370	59'
<b>Higuerote</b>	SVHG	HOT		118.2			353	12'
Kanavayen	SVKA						398	3904'
<b>La Carlota</b>	SVFM		121.80	118.80				2789'
La Fría	SVLF	LFA	121.90	118.80		113.0		305'
La Orchila	SVLO			199.00				
Los Pijiguaos	SVAS	PIJ					310	266'
Los Roques	SVRS	LRS		122.50		113.1		10'
<b>Maiquetía</b>	SVMI	MIQ	121.90	118.10	120.10	*114.8	292	260'
<b>Maracaibo</b>	SVMC	MAR	121.90	118.90	119.70	*115.7	267	235'
<b>Maracay</b>	SVBS		121.70	118.05				1338'
<b>Margarita</b>	SVMG		121.90	118.60	119.90	*114.1	206	75'
Maturín	SVMT	MUN	121.90	118.50		115.3	230	248'
Mene mauroa		MAO				*117.9		400'
Mérida	SVMD			118.05				5010'
<b>Metropolitano</b>	SVMP			122.00				576'
No Leon		NOL				116.1		7900'
Paraguana	SVJC	PRG				113.6	385	75'
Pto. Ayacucho	SVPA	PAY		118.30		*112.8	375	105'
Pto Cabello	SVPC	PBL		118.50		*117.8		33'
SA Táchira	SVSA			118.50	119.90			1316'
SF de Apure	SVSR	SFD	121.90	118.15		*112.1	333	240'
San Felipe	SVSP	SPE		118.60			230	761'
San Tomé	SVST	SOM		122.30		*116.5	220	846'
Santa Bárbara	SVSZ	STB	121.90	128.20		114.9	220	33'
S Domingo	SVSO	STO	121.90	122.30		*115.3		1083'
Tucupita	SVTC	TUC					225	32'
<b>Valencia</b>	SVVA	VAL	121.90	118.90		*117.4	380	1410'
Valera	SVVL	VRA		122.80		114.4	278	1186'
V de la Pascua	SVVP	VPA	118.65	129.80		*117.8		433'