

**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'
Barcelona	SVBC	BNA	121.90	118.70	121.10	*115.9	336	30'
Barinas	SVBI	BNS		118.00		*117.5	220	670'
Barquisimeto	SVBM	BRM	121.90	123.50	119.40	*112.2	363	2040'
Base Ltador	SVBL	BAL	121.70	134.10	119.30	*113.9		1450'
Cabo Codera		CBC				113.5		200'
Caicara Oco	SVCD	CDO				*112.3	341	146'
Calabozo	SVCL	CZO	121.90	118.45		*116.3	215	330'
Canaima	SVCN	CMA		118.70		*117.5		1500'
Caracas-OMZ	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'
Cumaná	SVCU	CUM	121.90	118.90		*113.3		26'
Divina pastora	SVDP	LDP				*117.7		2582'
El Vigía	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'
Higuerote	SVHG	HOT		118.2			353	12'
Kanavayen	SVKA						398	3904'
La Carlota	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'
Maiquetía	SVMI	MIQ	121.90	118.10	120.10	*114.8	292	260'
Maracaibo	SVMC	MAR	121.90	118.90	119.70	*115.7	267	235'
Maracay	SVBS		121.70	118.05				1338'
Margarita	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'
Metropolitano	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'
Valencia	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'