

CESSNA 182S			
PRE-FLIGHT COCKPIT CHECK			
1	Pitot Tube Cover	REMOVED	1
2	Control Wheel Lock	REMOVED	2
3	Ignition Switch	OFF - KEY OUT	3
4	Avionic Master	OFF	4
5	Master Switch	ON	5
6	Fuel Quantitiy	CHECK	6
7	Avionic Master	ON	7
8	Avionic Cooling Fan	CHECK	8
9	Avionic Master	OFF	9
10	Alternate Static	OFF	10
11	Annunciator Pancel	TEST	11
12	Fuel Selector	BOTH	12
13	Flaps	EXTEND FULL	13
14	Pitot Heat	ON 30sek OFF	14
15	Master Switch	OFF	15
16	Baggage Door	LOCKED	16

RUMPF u. HECK			
17	Höhen- u. Seiten Flosse	CHECK	17
18	Höhen- u. Seiten Ruder	CHECK	18
19	Trimmruder	CHECK	19
20	Antennen	CHECK	20

WING RIGHT SIDE			
21	Flaps + Querruder	CHECK	21
22	Querruder	CHECK	22
23	Tankbelüftung	CHECK	23
24	Hauptfahrwerk	CHECK	24
25	Drain	1 cup	25
26	Tankinhalt + Verschluss	CHECK	26
NOSE			
27	Static Port rechts	CHECK	27
28	Drain	CHECK	28
29	Static Port links	CHECK	29
30	Lufteinlässe	CHECK	30
31	Propeller + Spinner	CHECK	31
32	Luftfilter	CHECK	32
33	Bugrad	CHECK	33
34	Bugradgabel	RELEASED	34
35	Ölstand	CHECK	35
WING LEFT SIDE			
36	Tankinhalt + Verschluss	CHECK	36
37	Drain	1 cup	37
38	Hauptfahrwerk	CHECK	38
39	Pitot Tube	CHECK+WARM	39
40	Tankbelüftung	CHECK	40
41	Stall Warning	CHECK	41
42	LND-TAXI Lights	CHECK	42
43	Querruder + Flaps	CHECK	43

C182S	BEFORE ENGINE START	C182S	
1	Sitze + Gurte	SET	1
2	Sicherunge	CHECK	2
3	Avionic Master + Electrical	OFF	3
4	Master Switch	OFF	4
5	Cowl Flaps	OPEN	5
6	Fuel Selector	BOTH	6
7	Trimmung	SET T/O	7
ENGINE START			
1	Brakes	SET	1
2	BCN Light	ON	2
3	Throttle	1/2 cm	3
4	Propeller	HIGH RPM	4
5	Mixture	IDLE LEAN	5
6	Master Switch	ON	6
	COLD: Aux Fuel Pump	ON	
	COLD: Mixture	RICH 3sek.	
7	Propellerbereich	< CLEAR >	7
8	Zündschlüssel	START	8
9	Mixture	enRICH	9
10	Öldruck (< 20 sek.)	CHECKED	10
11	Aux Fuel Pump	OFF	11
ENGINE START FLOODED			
1	Aux Fuel Pump	OFF	1
2	Mixture	IDLE LEAN	2
3	Throttle	1/2 FULL	3
4	Zündschlüssel	START	4
5	Mixture	RICH	5
6	Throttle	RETARD	6

TAXI CHECK			
1	Avionic Master	ON	1
2	Flaps	0°	2
3	Lights	on demand	3
4	Transponder	STAND BY	4
5	Funkgeräte	SET & TEST	5
6	Flight Controls	FREE	6
7	Flight Instruments	CHECK + SET	7
8	Horizon, QNH, Gyro	SET	8
9	Brakes	RELEASED + TEST	9
10	Horizon + Turn Indicator	CHECK	10

C182S	MOTOR RUN-UP	C182S	
1	Brake	SET	1
2	Mixture	RICH	2
3	Throttle	1800 RPM	3
4	Magnetcheck L-B-R-B	<150 <50 RPM	4
5	Propeller	LOW - HIGH	5
6	Suction	CHECK	6
7	Engine + Ammeter	CHECK	7
8	Annunciator Panel	TEST	8
9	Throttle	1000 RPM	9
10	Throttle Friction	SET	10
11	Fuel Quantitiy	CHECK	11
12	Fuel Selector	BOTH	12
13	Cowl Flaps	OPEN	13
14	Trimmung	TO	14
15	Flaps	T/O 0° - 20°	15
16	Landing Light	ON	16
17	Transponder	ALT	17
18	Anflugsektor	< CLEAR >	18
19	Brake	RELEASED	19
TAKE-OFF			
1	RUNWAY HEADING	IDENTIFIED	1
2	Kompaß / Kurskreisel	SET	2
3	Throttle FULL	CHECK 2400 RPM	3
4	Speed alive - ROTATE	55 KIAS	4
5	CLIMB SPEED	80kt - 0° 70kt - 20°	5
6	Throttle @ 300' AGL	23 inHg	6
7	Landing Light	OFF	7
8	Flaps	0°	8
>	BEST GLIDE SPEED	75 KIAS	<

CRUISE LEVEL FLIGHT			
1	Power - Prop - Mixture	SET	1
2	Cowl Flaps	CLOSED	2

CRUISE CLIMB			
1	Mixture	15 GPH < RICH	1
2	Throttle	23 in < FULL	2
3	Propeller	2400 RPM	3
4	Cowl Flaps	OPEN oD	4
5	Fuel Selector	BOTH	5

C182S	DESCENT	C182S
1	120kt = 2NM/min 500ft/min ToD x4 - x5	1
2	Fuel Selector BOTH	2
3	Mixture enRICH	3
4	Cowl Flaps CLOSED	4

APPROACH + LANDING		
1	All Seats UPRIGHT & Belts Secured	1
2	FLAPS 140kt<10° 120kt<20° 100kt<FULL	2
3	Mixture RICH	3
4	Fuel Selector BOTH	4
5	Propeller HIGH RPM	5
6	Landing Light ON	6
7	Autopilot OFF	7
8	FINAL Flaps FULL 70 kt	8
9	FINAL Flaps UP 70 - 80 kt	9

AFTER LANDING CHECK		
1	Flaps UP	1
2	Cowl Flaps OPEN	2
3	Landing / Taxi Light SET	3
4	Transponder stand by	4

ENGINE CUT		
1	Brakes SET	1
2	Throttle 30sek. 1000 RPM	2
3	Avionic Master OFF	3
4	Lights OFF	4
5	Mixture IDLE CUT	5
6	Zündschlüssel OFF	6
7	Master Switch OFF	7
8	Control Lock SET	8
9	Fuel Selector RIGHT	9
10	Tachostand RECORD	10

Density Altitude	% Power	MP	RPM	Fuel Flow	KTAS	% Power	MP	RPM	Fuel Flow	KTAS
Sea Level	64	24	2200	10.9	121	76	27	2200	12.7	129
2000	66	24	2200	10.7	125	77	26	2300	12.9	132
4000	64	23	2200	10.9	124	75	25	2300	12.6	133
6000	66	22	2300	11	127	72	23	2400	12.1	134
8000	56	20	2200	9.8	121	65	21	2400	11.1	130
10000	54	19	2200	9.5	120	63	20	2400	10.7	130
12000	47	17	2200	8.6	111	56	18	2400	9.7	124
14000	43	16	2100	7.9	100	48	16	2400	8.7	114

Fuel	Basic Empty Weight		Endu +45	Fuel		120 kt	222 km/h
	1910 lbs	867 kg		LOAD	LOAD		
1/1	92 USG	348 lt	7,3 h	552 lbs	251 kg	870 NM	1610 km
3/4	70 USG	265 lt	5,3 h	420 lbs	191 kg	630 NM	1166 km
1/2	46 USG	174 lt	3,1 h	276 lbs	125 kg	368 NM	681 km
1/3	30 USG	114 lt	1,6 h	180 lbs	82 kg	194 NM	358 km
1 USG 3,785 lt		11 USGh 42 lt/h		1 lbs ,45 kg			
use -4 USG 1lt=0,72kg				3100 lbs MTOW		1407 kg MTOW	