

flugschule birrer

Regionalflygplatz Grenchen SO



pilots checklist



C - 172



TRIP PREPARATION

1. CFPL_____ on board
2. MAPS_____ on board
3. KOSIF, NOTAM, meteo_____ checked
4. passport, pilot licence, AOPA card_____ on board
5. cash and credit cards_____ on board
6. trip equipment_____ on board
 - oxygen, lifewests
 - sick-bags
 - oil
 - aircraft documents
 - food & drinks
7. flightplan_____ filed
8. fueling_____ performed
9. GPS programming_____ completed
10. passenger ticket_____ filed

PRE FLIGHT INSPECTION

1. control lock_____ removed
2. controls_____ free and easy
3. magnetos_____ off
4. circuit breakers_____ all in
5. trims_____ t/o position
6. radio master_____ off
7. electrical equipment_____ all off
8. master/alternator switch_____ on
9. fuel quantity_____ check l & r, note
10. master/alternator switch_____ off
11. exterior inspection_____ completed
12. weight & balance_____ checked

BEFORE STARTING ENGINE

1. seat, seatbelts _____ adjust & secure
2. parking brake _____ set
3. radio master _____ off
4. electric equipment _____ off
5. circuit breakers _____ all in
6. master/alternator switch _____ on
7. passenger briefing _____ completed

ready for startup

STARTING ENGINE

1. fuel selector _____ set
2. mixture _____ rich
3. carburetor heat _____ cold
4. throttle _____ 2 x full power
5. primer _____ in cold weather 2 x
6. throttle _____ 1 cm open
7. propeller area _____ clear
8. starter _____ engage
9. throttle _____ 1000 - 1200 RPM
10. oil pressure _____ within 30 sec
11. ammeter _____ charging

CHECK BEFORE TAXI

1. rotating beacon _____ on
2. radio master _____ on
3. radios, GPS and NAV _____ on & set
4. flight instruments _____ set
5. giro _____ set & checked
6. altimeter _____ set QNH
7. flaps _____ full cycle / checked
8. ATIS _____ received
9. taxi clearance _____ received

ready for taxi

TAXI CHECK

1. brakes _____ left and right checked
2. steering _____ normal
3. gyros _____ turning correctly

ENGINE RUN UP

1. parking brake _____ set
2. engine instruments _____ checked, oil temp. green
arc
3. throttle _____ 1700 RPM
4. magnetos check left & right _____ max. drop 75 RPM /
max. difference 50 RPM
5. carburetor heat _____ on and return to off
6. mixer _____ checked, EGT rising
7. suction gauge _____ green arc
8. ammeter _____ charging
9. engine instruments _____ checked
10. throttle _____ 1000 RPM

engine run up completed

CHECK BEFORE DEPARTURE

1. seat belts, shoulder harness_____fastened and checked
2. fuel quantity_____checked
3. fuel selector_____both
4. mixture_____rich
5. carburetor heat_____off
6. primer_____locked
7. ignition / magnetos_____both
8. flaps_____10°
9. trim tabs_____take off position
10. doors_____locked
11. windows_____closed
12. radios_____on & set
13. nav settings_____completed
14. clock_____set
15. altimeter_____set QNH
16. giros_____set
17. controls_____free and easy
18. take off briefing_____RWY , wind, speeds
routing, altitude, restrictions, malfunctions

ready for departure

LINE UP CHECK

1. approach sector_____free
2. landing light_____on
3. doors_____closed
4. runway and heading_____identified / checked
5. transponder_____on as required
6. wind_____visual checked
7. time _____note

line up completed

TAKE OFF

1. take off power _____ set / checked
2. brakes _____ released
3. speed _____ rising
when safely airborne
4. flaps _____ up

CLIMB CHECK

1. flaps _____ up
2. landing light _____ off
3. engine instruments _____ checked

climb check completed

CRUISE CHECK

1. cruise power _____ according AFM
2. mixture lean _____ EGT / max. perf. 100 below
3. engine instruments _____ checked
4. altimeter _____ set & checked
5. fuel selector _____ both, left or right

cruise check completed

PRE DESCENT CHECK

- A ATIS_____received
 - B briefing for approach_____done
 - C circuit breakers_____all in
 - D directional gyros_____set
 - E electronics and radios_____set
 - F further planning_____done
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- 2. mixture_____enrich
 - 3. engine instruments_____checked
 - 4. carburetor heat_____as required

pre descent check completed

CHECK FOR APPROACH

- A altimeter_____set QNH
 - L landing light_____on
 - S fuel selector_____both
 - fuel quantity_____checked
 - M mixture_____rich
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- 2. power_____1900 – 2200 RPM
 - 3. flaps_____10°
 - 4. speed_____80 – 90 KIAS
 - 5. seatbelts_____fastened & secured

check for approach completed

BASE CHECK

- 1. flaps_____20°
- 2. speed_____> 75 KIAS

base check completed

FINAL CHECK

1. gas (fuel selector, quantity) _____ checked
2. mixture _____ full rich
3. speed _____ 60-70 KIAS
4. flaps _____ 30°
5. carburetor heat _____ off
6. runway _____ identified
7. clear to land _____ received

final check completed

CHECK AFTER LANDING

1. time _____ noted
2. flaps _____ up
3. landing light _____ off
4. transponder _____ standby

check after landing completed

ENGINE SHUT DOWN

1. electric consumers _____ all off
2. avionics _____ 121.5 check, then off
3. mixture _____ cut off
4. ignition _____ off, key removed
5. master / alternator switch _____ off
6. controls lock _____ installed
7. fuel selector _____ right
8. after flight briefing / logs _____ done