



pilots checklist



Commander 114B

AC-11



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. landing gear switch_____ down
6. emmerg. landing gear extending knob___ up
7. alt static source_____ off
8. trims_____ t/o position
9. radio master_____ off
10. electrical equipment_____ all off
11. master/alternator switch_____ on
12. landing gear lights_____ 3 x green
13. fuel quantity_____ check l & r, note
14. master/alternator switch_____ off
15. exterior inspection_____ completed
16. 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. cowl flaps _____ open
7. landing gear switch _____ down
8. master/alternator switch _____ on
9. passenger briefing _____ completed

ready for startup

COLD STARTING ENGINE

1. mixture _____ rich
2. propeller _____ high RPM
3. throttle _____ 1 cm open
4. alternate air _____ cold
5. fuel pump _____ on for 5 sec, then off
6. propeller area _____ clear
7. starter _____ engage
8. throttle _____ 800-1000 RPM
9. oil pressure _____ within 30 sec
10. ammeter _____ charging

HOT STARTING ENGINE

1. mixture _____ rich, fuel pump on 3 sec,
then off, then mixture off
2. propeller _____ high RPM
3. throttle _____ 3 – 4 cm open
4. alternate air _____ cold
5. propeller area _____ clear
6. starter _____ engage
7. throttle _____ retard
8. mixture _____ full rich
9. throttle _____ 800-1000 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. pitch trim (A/P) _____ on
5. flight instruments & heading bug _____ set
6. giro _____ set & checked
7. altimeter _____ set QNH
8. flaps _____ full cycle / checked
9. ATIS _____ received
10. 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 _____ 2000 RPM
4. magnetos check left & right _____ max. drop 175 RPM /
max. difference 50 RPM
5. mixer _____ checked, EGT rising
6. propeller _____ cycle (2)
7. alternate air _____ hot and ret.
8. suction gauge, fuel pressure _____ green arc
9. ammeter _____ charging
10. engine instruments _____ checked
11. throttle _____ 1000 RPM

engine run up completed



CHECK BEFORE DEPARTURE

1. seat belts, shoulder harness _____ fastened and checked
2. fuel quantity _____ checked
3. fuel pump _____ on
4. fuel selector _____ both
5. mixture _____ rich
6. propeller _____ high RPM
7. cowl flaps _____ open
8. ignition / magnetos _____ both
9. flaps _____ 10° / 20° short / soft
10. trim tabs _____ take off position
11. rudder _____ adjust
12. doors _____ latched & locked
13. windows _____ closed
14. autopilot _____ off
15. radios _____ on & set
16. nav settings _____ completed
17. clock _____ set
18. altimeter _____ set QNH
19. giros & heading bug _____ set
20. controls _____ free and easy
21. take off briefing _____ RWY , wind, speeds
(10° Vr = 65 KIAS, Vx = 72/80 KIAS, Vy = 91 KIAS)
(20° Vr = 65 KIAS, Vx = 69/80 KIAS, Vy = 91 KIAS)
routing, altitude, restrictions, malfunctions

ready for departure

LINE UP CHECK

1. approach sector _____ free
2. landing light, strobes _____ 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. gear _____ break and up
5. flaps _____ up
6. climb power _____ 25/25 set

CLIMB CHECK

1. gear _____ up
2. flaps _____ up
3. climb power _____ 25/25 set
4. fuel pump _____ off
5. landing light _____ off
6. cowl flaps _____ open
7. engine instruments _____ checked

climb check completed

CRUISE CHECK

1. cowl flaps _____ close
2. cruise power _____ according AFM
3. mixture lean _____ EGT / max. perf. 100 below
4. engine instruments _____ checked
5. altimeter _____ set & checked
6. 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
-
- 2. mixture _____ enrich
 - 3. engine instruments _____ checked
 - 4. cowl flaps _____ closed

pre descent check completed

CHECK FOR APPROACH

- A altimeter _____ set QNH
 - F fuel pump _____ on
 - I landing light _____ on
 - S fuel selector _____ both
 - fuel quantity _____ checked
 - M mixture _____ rich
 - A autopilot / heading bug _____ off / runway axis
-
- 2. power _____ adjust
 - 3. flaps _____ set for approach
 - 4. speed _____ 90 – 120 KIAS
 - 5. seatbelts _____ fastened & secured

check for approach completed

APPROACH CONFIGURATION

- 1. flaps _____ 10° below 150 KIAS
- 2. gear down _____ 3 x green below 130 KIAS



FINAL CHECK

- G gas (fuel selector, pump, quantity) _____ checked
- U undercarriage: gear down _____ 3 x green checked
- M mixture _____ full rich
- P propeller _____ high RPM
- S speed _____ 80 / 75 KIAS
- _____ 71 KIAS shortfield
- F flaps _____ 35°
- R runway _____ identified
- C clear to land _____ received

final check completed

CHECK AFTER LANDING

- 1. time _____ noted
- 2. flaps _____ up
- 3. cowl flaps _____ open
- 4. fuel pump _____ off
- 5. landing & strobe _____ off
- 6. transponder _____ standby

check after landing completed

ENGINE SHUT DOWN

- 1. electric consumers _____ all off
- 2. avionics _____ all 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



EMERGENCY GEAR DOWN

1. 3 lights check _____ press to test & check
2. check for approach _____ done
3. reduce speed _____ 70 KIAS
4. propeller _____ high RPM
5. master / alternator switch _____ off
6. electrical gear switch _____ down
7. emergency ext. valve knob _____ pull out and down
yaw airplane if necessary to help lower gear
8. master & alternator switch _____ on
9. 3 lights check _____ green

ELECTRICAL FIRE IN FLIGHT

1. master & alternator _____ off
2. electrical consumers _____ all off
3. cabin heat and cabin air _____ off
if fire out:
4. only master switch _____ on
5. then one essential electrical device at a time ___ on

ENGINE FIRE IN FLIGHT

1. mixture _____ full lean
2. fuel selector _____ off
3. master & alternator switch _____ off
4. cabin heat and cabin air _____ off
5. increase airspeed to extinguish _____ as needed
6. emergency descent _____ max. 187 KIAS, gear down,
flaps up
7. emergency landing

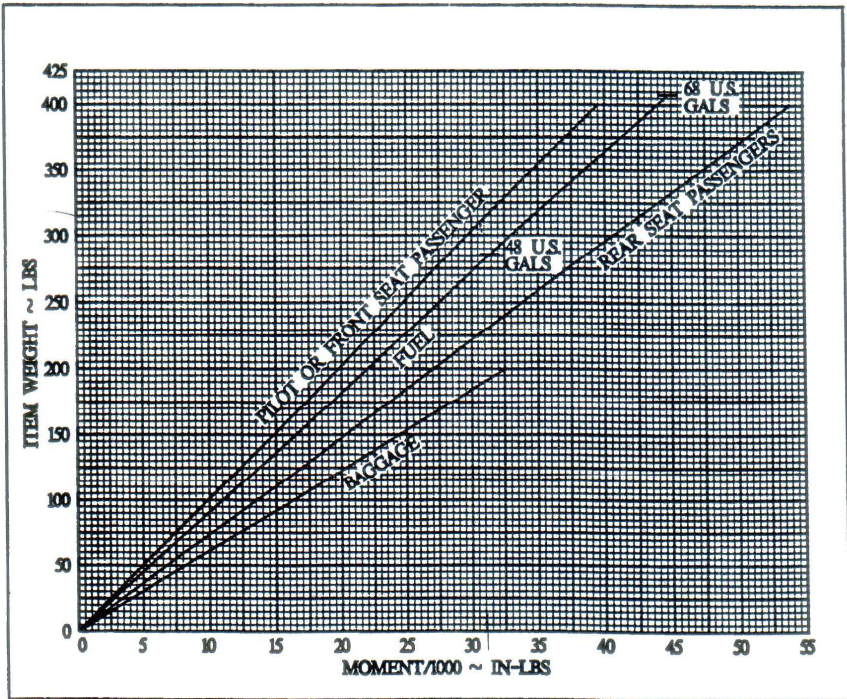
EMERGENCY LANDING AFTER POWER LOSS / NO RESTART

1. maintain best glide _____ 82 KIAS
2. prop _____ low RPM
3. transponder _____ 7700
4. declare emergency
5. ELT _____ on
6. fuel selector _____ off
7. mixture _____ full lean / idle cut off
8. seatbelts / harness _____ fastened & secure
9. flaps _____ as needed
10. gear _____ down
up, if very rough / soft terrain
11. master, alternator & magnetos _____ off
12. door _____ unlatch
13. protect body

other cases according to AFM

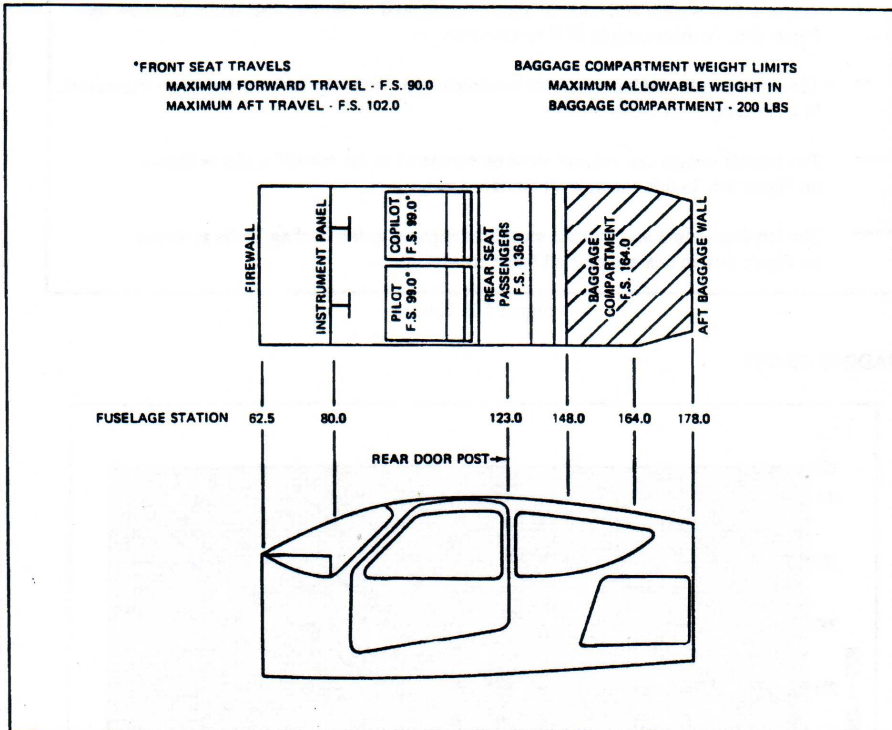


LOADING GRAPH





CABIN STATION DIAGRAM





APPROVED FLIGHT ENVELOPE

