

AMS FLIGHT SCHOOL



CESSNA 172S SKYHAWK N427KR NORMAL CHECKLIST

V SPEEDS

V _R	55 KIAS
V _X	62
V _Y	74
V _S	40
V _A	10
V _{FE}	85
V _{NO}	129
V _{NE}	163
GLIDE	68
MAX X-WIND	15

AIRCRAFT ACCEPTANCE

- 1) PARKING BRAKESET ON
- 2) MAINTENANCE STATUSCHECKED
- 3) EMERGENCY & SAFETY EQ.....CHECKED
- 4) HOBBS METERRECORDED
- 5) TACHOMETER TIMERECORDED
- 6) AROWCHECKED
- 7) CHECKLISTCOMPLETE

PREFLIGHT INSPECTION

1) CABIN

- a) AIRCRAFT ACCEPTANCE CK.....COMPLETED
- b) CONTROL LOCKREMOVED
- c) PITOT COVERREMOVED
- d) AVIONICS SWITCH.....OFF
- e) MASTER SWITCHON
- f) AVIONICS SWITCHON
- g) AVIONICS COOLING FANCHECKED
- h) AVIONICS SWITCHOFF
- i) ANNUNCIATOR PANELCHECKED
- j) FUEL GAUGESCHECKED
- k) LIGHTSCHECKED
- l) ALTERNATE STATIC SOURCECHECKED/OFF
- m) FLAPSDOWN
- n) MASTER SWITCHOFF
- o) FUEL SELECTOR VALVEBOTH

2. EMPENNAGE

- a) BAGGAGE DOORSECURED
- b) AUTOPILOT STATIC PORTCHECKED
- c) HORIZONTAL STAB/ ELEVATORCHECKED
- d) VERTICAL STAB/RUDDERCHECKED
- e) ANTENNASCHECKED
- f) TIE DOWNREMOVED

3. RIGHT WING

- a) FLAP AND AILERONCHECKED
- b) WING TIP/LEADING EDGECHECKED
- c) STRUT/TIE DOWNCHECKED
- d) TIRE AND BRAKECHECKED
- e) FUEL DRAIN X 5CHECKED
- f) FUEL LEVEL/CAPCHECKED/SECURED

4. NOSE

- a) ENGINE OIL (6 QT AMS MIN)CHECKED
- b) TIRE AND STRUTCHECKED
- c) FUEL DRAIN X 3.....CHECKED
- d) AIR FILTERCLEAR
- e) ALTERNATOR BELTCHECKED
- f) PROPELLER AND SPINNERCHECKED
- g) STATIC SOURCECHECKED
- h) WINDSHIELDCHECKED

5. LEFT WING

- a) PITOT TUBECHECKED
- b) FUEL VENTCHECKED
- c) STALL WARNINGCHECKED
- d) STRUT/TIE DOWNCHECKED
- e) LANDING / TAXI LIGHT LENSCHECKED
- f) WING TIP / LEADING EDGECHECKED
- g) FLAP AND AILERONCHECKED
- g) TIRE AND BRAKECHECKED
- h) FUEL DRAIN X 5CHECKED
- i) FUEL LEVEL/CAPCHECKED/SECURED

BEFORE START

- 1) PREFLIGHT INSPECTIONCOMPLETE
- 2) PASSENGER BRIEFINGCOMPLETE
- 3) SEAT AND SEATBELTSADJUST & LOCK
- 4) BRAKESSET
- 5) CIRCUIT BREAKERSCHECKED
- 6) ELECTRICAL EQUIPMENTOFF
- 7) AVIONICS MASTEROFF
- 8) FUEL SELECTOR VALVEBOTH
- 9) FUEL SHUTOFF VALVE ON(PUSH IN)

STARTING ENGINE

COLD START

- 1) THROTTLEOPEN 1/4 IN
- 2) MASTERON
- 3) AUX FUEL PUMPON
- 4) MIXTUREADVANCE (3-5 GAL/HR) THEN FULL LEAN
- 5) AUX PUMPOFF
- 6) PROPCLEAR
- 7) IGNITION SWITCHSTART
- 8) ENGINE STARTADVANCE MIXTURE
- 9) THROTTLE(800-1000 RPM) SET
- 10) OIL PRESSURECHECKED
- 11) MIXTURELEAN AS REQUIRED
- 12) AVIONICS MASTER.....ON
- 13) FLAPSUP
- 14) RADIOSSET
- 15) ALTIMETERSET
- 16) AUTOPILOTTEST AS REQUIRED

HOT START

- 1) THROTTLEOPEN 1/4 IN
- 2) MIXTUREIDLE CUT OFF
- 3) MASTERON
- 4) PROPCLEAR
- 5) IGNITION SWITCHSTART
- 6) ENGINE STARTADV MIXTURE
- 7) THROTTLE(800-1000 RPM) SET
- 8) OIL PRESSURECHECKED
- 9) MIXTURELEAN AS REQUIRED
- 10) AVIONICS MASTERON
- 11) FLAPSUP
- 12) RADIOSSET
- 13) ALTIMETERSET
- 14) AUTOPILOTTEST AS REQUIRED

BEFORE TAXI

- 1) HEADING/COMPASSALIGN
- 2) LIGHTSAS REQUIRED
- 3) TAXI AREACLEAR
- 4) BRAKESRELEASE

TAXI

- 1) BRAKESCHECKED
- 2) INSTRUMENTSCHECKED

BEFORE TAKEOFF

- 1) PARKING BRAKESET
- 2) SEATS & SEATBELTSCHECK
- 3) CABIN DOORS/WINDOWSCLOSED & LOCKED
- 4) FLIGHT CONTROLSFREE & CORRECT
- 5) FLIGHT & ENGINE INSTRUMENTSCHECKED
- 6) MIXTURERICH
- 7) FUEL SELECTOR VALVEBOTH
- 8) TRIMSET
- 9) OIL TEMPERATUREGREEN
- 10) THROTTLE1800 RPM
- 11) MAGS CHECKED.....(150 MAX/50 DIFF)
- 12) VACUUMCHECKED
- 13) ENGINE INSTRUMENTSCHECKED
- 14) AMMETERCHECKED
- 15) ANNUNCIATOR PANELCHECKED
- 16) THROTTLE IDLECHECKED

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- 17) THROTTLE800-1000 RPM
- 18) THROTTLE FRICTIONSET
- 19) RADIOS/NAV/GPSSET
- 20) AUTOPILOTOFF
- 21) ABORT PLANCOMPLETE

AFTER CLEARED ONTO RWY

- 1) LIGHTSAS REQUIRED
- 2) TRANSPONDERCHECK CODE/ON ALT
- 3) MIXTUREAS REQUIRED
- 4) CLOCKSTART

TAKEOFF - NORMAL

- 1) WING FLAPS.....(0°-10°) SET
- 2) THROTTLEFULL
- 3) ROTATEV_R 55 KTS
- 4) CLIMBV_Y 74 KTS

CLIMB

- 1) AIRSPEED80-90 KTS
- 2) THROTTLEFULL OPEN
- 3) MIXTURERICH
(ADJUST FOR MAX RPM ABOVE 3000')
- 4) ENGINE INSTRUMENTSCHECKED

CRUISE

- 1) LIGHTSAS REQUIRED
- 2) POWERAS REQUIRED
- 3) MIXTURE(50° RICH OF PEAK) LEAN
- 4) ENGINE INSTRUMENTSCHECKED

DESCENT

- 1) POWERAS REQUIRED
- 2) MIXTURERICH
- 3) FUEL SELECTOR VALVEBOTH
- 4) LIGHTSAS REQUIRED

BEFORE LANDING

- 1) SEATS & SEATBELTSCHECKED
- 2) FUEL SELECTORBOTH
- 3) FUEL SHUTOFF VALVEON/IN
- 4) MIXTURERICH
- 5) AUTOPILOTOFF
- 6) FLAPSAS REQUIRED

AFTER LANDING

- AFTER CLEARING RUNWAY-

- 1) LIGHTSAS REQUIRED
- 2) MIXTURELEAN
- 3) FLAPSUP
- 4) TRANSPONDERSTBY
- 5) TRIMTAKE OFF

PARKING

- 1) PARKING BRAKEAS REQUIRED
- 2) AVIONICS MASTEROFF
- 3) THROTTLE1200 RPM
- 4) MIXTURECUT OFF
- 5) IGNITION SWITCHOFF
- 6) MASTER SWITCHOFF
- 7) INTERIOR/EXTERIOR LIGHTSOFF
- 8) CONTROL LOCKINSTALLED
- 9) FUEL SELECTORLEFT OR RIGHT
- 10) HOBBS/TACHRECORDED
- 11) PITOT COVERON

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