

AMS FLIGHT SCHOOL



CESSNA 172M SKYHAWK CHECKLIST

V SPEEDS

VR	60 MPH
VX	68
VY	90
VFE	100
VA	112
VNO	145
VNE	182
VSO	49
VS1	57

AIRCRAFT ACCEPTANCE

- 1) MAINTENANCE STATUS.....CURRENT
- 2) SQUAWK SHEET.....CHECK & CLEAR
- 2) A.R.O.W.....LOCATE & CHECK
- 3) HOBBS/ TACH TIME.....RECORD

PREFLIGHT INSPECTION CABIN

- 1) POHLOCATE
- 2) PARKING BRAKE.....SET
- 3) CONTROL WHEEL LOCKREMOVE
- 4) IGNITION SWITCH.....OFF
- 5) AVIONICS.....OFF
- 6) BATTERY SWITCHON
- 7) FUEL QUANTITY INDICATOR.....CHECK
- 8) LIGHTS.....CHECK
- 9) FLAPS.....LOWER
- 10) BATTERY SWITCH.....OFF
- 11) ALTERNATE STATICOFF
- 12) FUEL SELECTOR.....BOTH
- 13) FUEL SAMPLE BOTTLE.....OBTAIN

WALK AROUND INSPECTION

EMPENNAGE

- 1) BAGGAGE DOOR.....SECURED & LOCKED
- 2) BODY SURFACE.....CHECK
- 3) TAIL TIE DOWNREMOVE
- 4) CONTROL SURFACES.....CHECK FREEDOM OF MOVEMENT AND SECURITY

RIGHT WING

- 1) FLAP & AILERON.....CHECK
- 2) WING TIP.....CHECK
- 3) LEADING EDGE.....CHECK
- 4) WING TIE DOWN.....REMOVE
- 5) WHEEL ASSEMBLY.....CHECK
- 6) FUEL.....DRAIN
- 7) FUEL QUANTITY.....CHECK VISUAL
- 8) FUEL FILLER CAP.....SECURE

NOSE

- 1) FUEL STRAINERDRAIN
- 2) OIL QUANTITY.....CHECK
- 3) NOSE WHEEL STRUT/TIRE.....CHECK
- 4) PROPELLER AND SPINNER.....CHECK
- 5) ENGINE COOLING AIR INLET.....CHECK
- 6) ALTERNATOR/ BELT.....CHECK TIGHT
- 7) CARBURETOR AIR FILTER.....CLEAR
- 8) WINDSHIELD.....CLEAR
- 9) STATIC SOURCE.....CLEAR

LEFT WING

- 1) FUEL TANK SUMP.....DRAIN
- 2) FUEL QUANTITY.....CHECK VISUALLY
- 3) FUEL FILLER CAP.....SECURE
- 4) PITOT COVER/TUBEREMOVE/ CHECK
- 5) WING TIE DOWN.....REMOVE
- 6) FUEL TANK VENT.....CLEAR
- 7) STALL WARNING VENT.....CLEAR
- 8) LEADING EDGE.....CHECK
- 9) WINGTIPCHECK
- 10) AILERON & FLAP.....CHECK
- 11) WHEEL ASSEMBLY.....CHECK

BEFORE STARTING ENGINE

- 1) PREFLIGHT INSPECTIONCOMPLETE
- 2) PASSENGER BRIEFINGCOMPLETE
- 3) FUEL SELECTORBOTH
- 4) SEAT/ SEAT BELTSADJUST & LOCK
- 5) SHOULDER HARNESSSESADJUST & LOCK
- 6) BRAKESTEST
- 7) ELECTRICAL EQUIPMENTOFF
- 8) CIRCUIT BREAKERSCHECK IN
- 9) ROTATING BEACONON
- 10) AVIONICS.....OFF
- 11) PRIMARY FLIGHT CONTROLSFREE & CORRECT

STARTING ENGINE

- 1) PRIME.....AS REQUIRED
- 2) CARBURETOR HEAT.....OFF
- 3) THROTTLE.....OPEN 1/8 INCH
- 4) MIXTURE.....FULL RICH
- 5) PROPELLER AREA.....CLEAR
- 6) MASTER SWITCH.....ON
- 7) VOCAL WARNING.....CALL CLEAR
- 8) BRAKES.....SET
- 9) STARTER.....ENGAGE
- 10) THROTTLE.....ADJUST 850-1000 RPM
- 11) **OIL PRESSURE/ TEMP GREEN ARC**
- 12) MIXTURE.....LEAN FOR TAXI
- 13) FLAPSRETRACT
- 14) AVIONICSON/ STANDBY

BEFORE TAXI

- 1) AVIONICSSET
- 2) WEATHER/ RADIO CHECKAS REQUIRED
- 3) FLIGHT INSTRUMENTSCHECK & SET
- 4) TAXI CLEARANCECALL
- 5) LIGHTSAS REQUIRED
- 6) BRAKESTEST

ENGINE RUN-UP

- 1) NOSE WHEEL.....STRAIGHT
- 2) BRAKESSET
- 3) FLIGHT CONTROLS.....FREE
- 4) FUEL SELECTOR.....BOTH
- 5) ENGINE INSTRUMENTS GREEN ARC
- 6) MIXTURE.....FULL RICH
- 7) THROTTLE.....1700 RPM
- 8) MAGNETOS MAX DROP 125 RPM
MAX DIFFERENCE 50 RPM
- 9) SUCTION.....5 INCHES
- 10) CARBURETOR HEAT.....CHECK
- 11) AMMETER.....CHECK
- 12) THROTTLE.....RETARD

BEFORE TAKE-OFF

- 1) DOORS/WINDOWS CLOSED/LATCHED
- 2) SEATBELTS/ HARNESSSES ADJUST & LOCKED
- 3) FUEL SELECTOR BOTH
- 4) TRIM SET
- 5) PRIMER IN & LOCKED
- 6) MASTER SWITCH ON
- 7) MAGNETOS BOTH
- 8) LIGHTS AS REQUIRED
- 9) CARBUETOR HEAT OFF
- 10) MIXTURE FULL RICH
- 11) FLAPS SET
- 12) TRANSPONDER SET & ALT
- 13) AVIONICS CHECK & SET
- 14) INSTRUMENTS CHECK & SET

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NORMAL TAKE-OFF

- 1) FLAPSUP
- 2) CARBURETOR HEATOFF
- 3) THROTTLEFULL
- 4) ELEVATORROTATE 60 MPH
- 5) CLIMB SPEED.....80 MPH

MAX PERFORMANCE

- 1) FLAPSSET 10°
- 2) CARBURETOR HEATOFF
- 3) BRAKESAPPLY
- 4) THROTTLEFULL OPEN
- 5) ENGINE INSTRUMENTS.....GREEN
- 6) BRAKESRELEASE
- 7) CLIMB SPEED.....68 MPH

ENROUTE CLIMB

- 1) AIRSPEED 90 MPH
- 2) THROTTLE FULL OPEN
- 3) MIXTURE FULL RICH

CRUISE

- 1) POWER2300 RPM
- 2) ELEVATOR TRIMSET
- 3) MIXTURELEAN AS REQUIRED

LET DOWN

- 1) MIXTUREFULL RICH
- 2) POWER1800 RPM OR AS DESIRED

BEFORE LANDING

- 1) FUEL SELECTORBOTH
- 2) MIXTUREFULL RICH
- 3) LIGHTSAS REQUIRED
- 4) CIRCUIT BREAKERSIN
- 5) MAGNETOSBOTH
- 6) MASTER SWITCHON
- 7) PRIMERIN & LOCKED
- 8) SEAT, SEATBELTS, HARNESSSESCHECK

NORMAL LANDING

- 1) AIRSPEED70-80 MPH (FLAPS UP)
- 2) FLAPS BELOW 100 MPH AS DESIRED
- 3) AIRSPEED.....65-75 MPH (FLAPS DOWN)
- 4) TOUCHDOWNMAIN WHEELS FIRST
- 5) LANDING ROLLLOWER NOSE WHEEL GENTLY
- 6) BRAKINGMINIMUM REQUIRED

BALKED LANDING

- 1) THROTTLE FULL
- 2) CARBURETOR HEAT COLD
- 3) FLAPS RETRACT TO 20°
- 4) AIRSPEED 70 MPH
- 5) FLAPS RETRACT SLOWLY

CLEAR OF ACTIVE

- 1) LIGHTS OFF
- 2) CARBURETOR HEAT OFF
- 3) TRANSPONDER..... OFF
- 3) MIXTURE LEAN FOR TAXI
- 4) FLAPS RETRACT

ENGINE SHUTDOWN

- 1) AVIONICS OFF
- 2) THROTTLE 1200 RPM
- 3) MIXTURE IDLE CUT-OFF
- 4) MAGNETOS OFF
- 5) MASTERSWITCH OFF
- 6) ROTATING BEACON **ON**
- 7) HOBBS TIME RECORD
- 8) TACH TIME RECORD
- 9) CONTROL LOCK INSTALLED
- 10) PITOT COVER INSTALLED

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