

AMS FLIGHT SCHOOL



CESSNA 150M COMMUTER CHECKLIST

V SPEEDS

VR	55 MPH
VX	70
VY	78
VFE	100
VA	109
VNO	120
VNE	162
VSO	48
VS1	55

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) FUEL SHUTOFF VALVE HANDLE.....ON
- 12) FUEL SAMPLE BOTTLE.....OBTAIN

WALK AROUND INSPECTION

EMPENNAGE

- 1) LEFT SIDE OF FUSELAGE.....CHECK
- 2) TAIL TIE DOWNREMOVE
- 3) CONTROL SURFACES.....CHECK FREEDOM OF MOVEMENT AND SECURITY

RIGHT WING

- 1) FUEL.....DRAIN
- 2) MAIN WHEEL TIRE.....PROPER INFLATION
- 3) WING FLAP AND AILERON.....CHECK
- 4) WING.....CHECK
- 5) WING TIE-DOWN.....CHECK
- 6) FUEL QUANTITY.....CHECK VISUAL
- 7) FUEL FILLER CAP.....SECURE

NOSE

- 1) FUEL STRAINERDRAIN
- 2) OIL QUANTITY.....AT LEAST 4 QTS
- 3) NOSE WHEEL STRUT/TIRE.....CHECK
- 4) PROPELLER AND SPINNER.....CHECK
- 5) ENGINE COOLING AIR INLET.....CHECK
- 6) LANDING LIGHT.....CHECK
- 7) CARBURETOR AIR FILTER.....CLEAR
- 7) WINDSHIELD.....CLEAN
- 8) STATIC SOURCE OPENING.....CHECK

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) WING.....CHECK
- 10) AILERON & FLAP.....CHECK
- 11) MAIN WHEEL ASSEMBLY.....CHECK

BEFORE STARTING ENGINE

- 1) PREFLIGHT INSPECTIONCOMPLETE
- 2) PASSENGER BRIEFINGCOMPLETE
- 3) FUEL SHUTOFF VALVE.....ON
- 4) SEAT/ SEAT BELTSADJUST & LOCK
- 5) SHOULDER HARNESSSESADJUST & LOCK
- 6) BRAKESTEST AND SET
- 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.....COLD
- 3) THROTTLE.....OPEN 1/4 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) CABIN DOORS.....LATCHED
- 2) NOSE WHEEL.....STRAIGHT
- 3) BRAKESSET
- 4) FUEL SHUTOFF VALVE.....ON
- 5) ENGINE INSTRUMENTS GREEN ARC
- 6) MIXTURE.....FULL RICH
- 7) THROTTLE.....1700 RPM
- 8) MAGNETOS MAX DROP 150 RPM
MAX DIFFERENTIAL 75 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) TRIMTAKE OFF
- 4) THROTTLE FRICTION LOCK.....ADJUST
- 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 TO ALT
- 13) AVIONICS CHECK & SET
- 14) FLIGHT INSTRUMENTS CHECK & SET

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NORMAL TAKE-OFF

- 1) WING FLAPS0 DEGREES
- 2) CARBURETOR HEATCOLD
- 3) THROTTLEFULL OPEN
- 4) BRAKES.....RELEASE
- 5) ELEVATOR CONTROLROTATE 55 MPH
- 5) CLIMB SPEED.....70 - 80 MPH

MAX PERFORMANCE

- 1) WING FLAPS0 DEGREES
- 2) CARBURETOR HEATCOLD
- 3) BRAKESHOLD
- 4) THROTTLEFULL OPEN
- 5) ENGINE INSTRUMENTS.....GREEN
- 6) BRAKESRELEASE
- 7) ELEVATOR CONTROLSLIGHTLY TAIL DOWN
- 7) CLIMB SPEED.....70 MPH

ENROUTE CLIMB

- 1) AIRSPEED 75-85 MPH
- 2) THROTTLE FULL OPEN
- 3) MIXTURE RICH (UNLESS ENGINE ROUGH)

CRUISE

- 1) POWER2000 TO 2750 RPM
- 2) ELEVATOR TRIMADJUST
- 3) MIXTURELEAN AS REQUIRED

BEFORE LANDING

- 1) MIXTUREFULL RICH
- 2) CARB HEAT.....FULL BEFORE CLOSING THROTTLE
- 3) LIGHTSAS REQUIRED
- 4) CIRCUIT BREAKERSIN
- 5) MAGNETOSBOTH
- 6) MASTER SWITCHON
- 7) PRIMERIN & LOCKED
- 8) SEAT, SEATBELTS, HARNESSSESCHECK
- 9) AIRSPEED.....70 – 80 MPH (FLAPS UP)
- 10) WING FLAPS.....AS DESIRED BELOW 100 MPH
- 11) AIRSPEED.....60 – 70 (FLAPS EXTENDED)

NORMAL LANDING

- 1) TOUCHDOWNMAIN WHEELS FIRST
- 2) LANDING ROLLLOWER NOSE WHEEL GENTLY
- 3) BRAKINGMINIMUM REQUIRED

BALKED LANDING (GO-AROUND)

- 1) THROTTLE FULL OPEN
- 2) CARBURETOR HEAT COLD
- 3) FLAPS RETRACT TO 20°
- 4) AIRSPEED 65 MPH
- 5) FLAPS RETRACT SLOWLY

CLEAR OF ACTIVE

- 1) LIGHTS OFF
- 2) CARBURETOR HEATCOLD
- 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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